

# COOPER INDUSTRIES, INC.

PRELIMINARY SITE ASSESSMENT REPORT NORTH AND SOUTH LANDFILLS CROUSE-HINDS FACILITY SYRACUSE, NEW YORK

29 SEPTEMBER 2004

Prepared for:

Cooper Industries, Inc. P.O. Box 4446 Houston, TX 77210-4446

Prepared by:

InteGreyted International, LLC 104 Jamesville Road Syracuse, NY 13214

InteGreyted Project No. 0310025P

# **Certification Statement**

InteGreyted International, LLC certifies that this Preliminary Site Assessment (PSA) Report has been prepared under the direction of the undersigned who is the Senior Project Manager with primary responsibility for the day to day performance of the PSA under NYSDEC Order on Consent Index No. D-7-0002-01-07, which became effective on 14 May 2004. Certification is hereby made that PSA activities were performed in full accordance with the NYSDEC-approved PSA Work Plan, dated 9 January 2004 and revised 28 April 2004. The undersigned also certifies that, to the best of my knowledge, the PSA Report accurately summarizes the work activities performed and the results obtained for the PSA.

Mark J. Schumacher

Signature Schuman

9-28-04

Date

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### 1.0 INTRODUCTION

#### 1.1 GENERAL

This report summarizes the activities performed and the results for the Preliminary Site Assessment (PSA) of the Crouse-Hinds Facility North and South Landfills (hereinafter the "Site"), which are located in the Town of Salina and the City of Syracuse, New York, respectively. The PSA was conducted by InteGreyted International, LLC (InteGreyted) on behalf of Cooper Industries, Inc. (Cooper). The PSA was conducted at the Site (Site No. 7-34-004) in accordance with the New York State Department of Environmental Conservation (NYSDEC) Order on Consent (Index No. D-7-0002-01-07), which became effective on 14 May 2004, and the NYSDEC-approved Work Plan

The objectives of the PSA were to: 1) collect data necessary to determine the presence or absence of hazardous wastes and/or hazardous substances in Site media; 2) collect data to aid in determining if the Site may or may not be a source of hazardous wastes and/or hazardous substance contamination to Ley Creek and/or Onondaga Lake; 3) collect sufficient data to determine whether or not a Remedial Investigation/Feasibility Study is warranted for the Site; and 4) collect the data necessary to perform Steps 1 through 2b of the Fish and Wildlife Impact Analysis (FWIA).

#### 1.2 REPORT ORGANIZATION

This document presents the PSA Report, which is organized in the following sections.

- Section 1 Introduction: Presents a summary of the Site location and physical setting, the Site background and history, results of previous investigations, and objectives of the PSA.
- Section 2 PSA Scope of Work: Describes the activities performed during the PSA, including the soils investigation, sediment investigation, surface water investigation, hydrogeologic investigation, and fish and wildlife assessment.

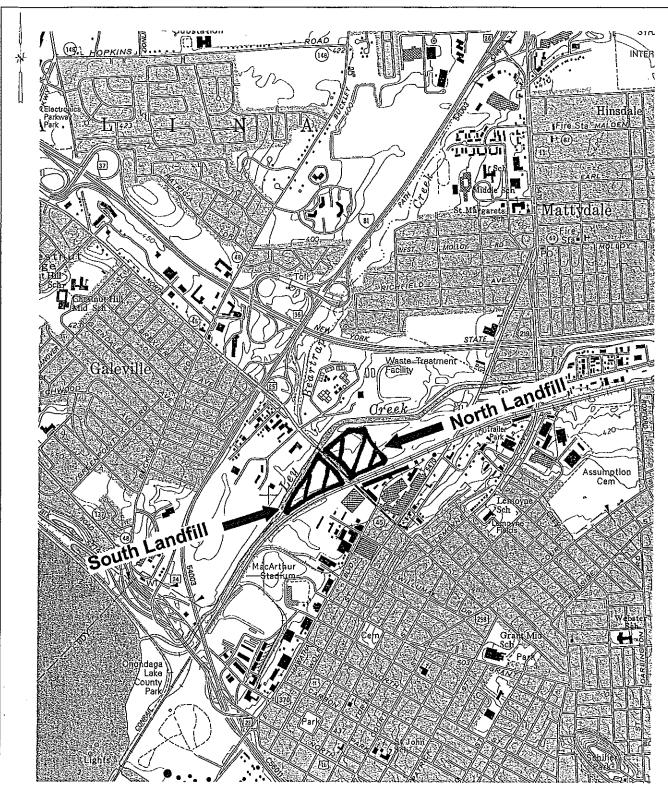
- Section 3 PSA Results: Summarizes the results of the PSA investigation activities.
- Section 4 Summary and Conclusions: Summarizes the results of the PSA and presents conclusions supported by the data and recommendations for additional work, if any, which may be required to fill data gaps.

# 1.3 SITE BACKGROUND

# 1.3.1 Physical Setting

The Site is located west of the operating Crouse-Hinds manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043° 04' 28" N, Longitude 076° 10' 13" W), in the Town of Salina and the City of Syracuse, Onondaga County, New York. The Site consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill). The North Landfill is approximately 21 acres in area and the South Landfill is approximately 15 acres in area. The Site and surrounding topography are generally flat to gently sloping. Figure 1-1 is a Site Location Map and Figures 1-2 and 1-3 present Site Plans of the North Landfill and South Landfill, respectively.

The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The Site is located in an area of mixed usage including light industrial/manufacturing, commercial and residential. Seventh North Street is oriented east-west and separates the two landfills that comprise the Site. Undeveloped woods and wetlands border the Site to the north. Railroad tracks followed by the Crouse-Hinds facility, Wolf Street and residential development border the Site to the east. Undeveloped woods, wetlands and mixed commercial development border the Site to the south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station and Interstate Highway I-81 are present to the west of the Site. The west and northwest boundary of the North Landfill is separated from Ley Creek by property reportedly owned by East Plaza, LLC. The west boundary of the South Landfill is immediately adjacent to Ley Creek.



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# InteGreyted International

104 JAMESVILLE ROAD SYRACUSE, NY 13214 PHONE: (315) 445-0224 FAX: (315) 445-0793

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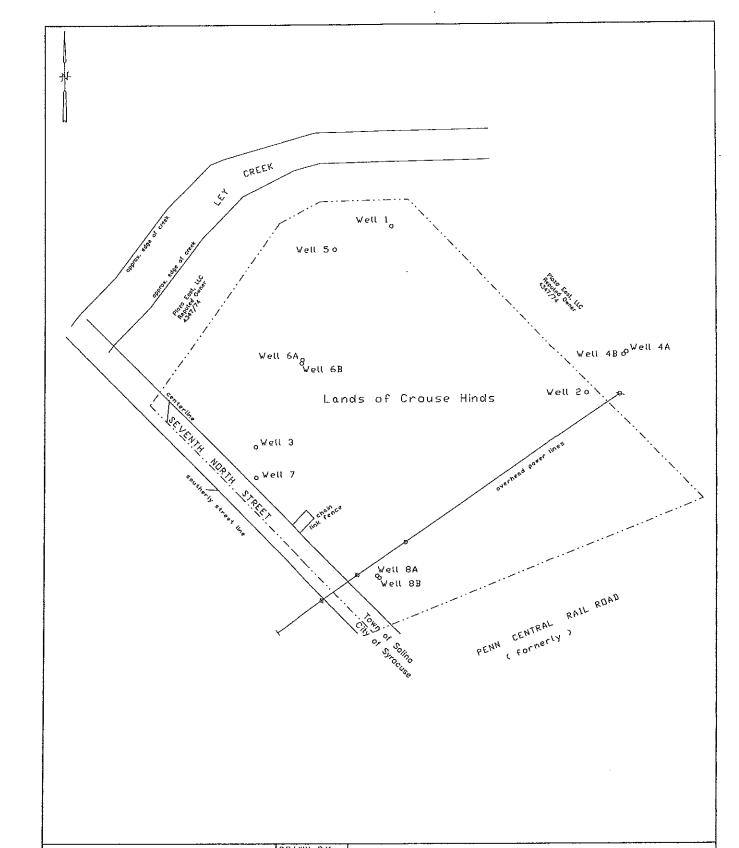
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# Site Location Map

North and South Landfills Crouse-Hinds Facility Syracuse, New York

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PREPARED FOR: Cooper Industries, Inc. 1-1

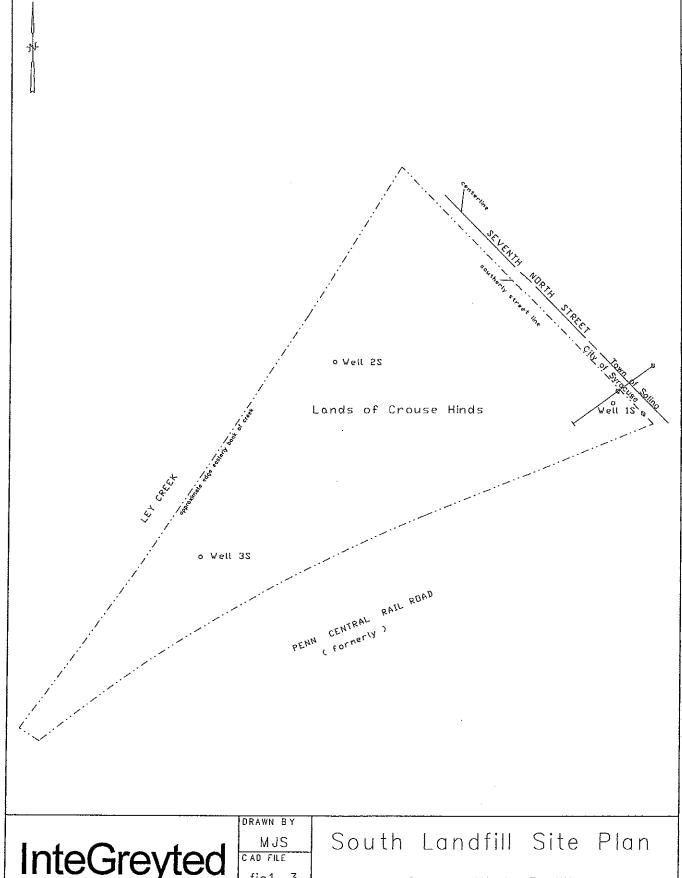


# InteGreyted International

104 JAMESVILLE ROAD SYRACUSE, NY 13214 PHONE: (315) 445-0224

FAX: (315) 445-0793

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# 1.3.2 Site History

Cooper Crouse-Hinds Division, a division of Cooper Industries, Inc. operates an electrical products manufacturing facility located on the corner of Wolf and Seventh North Streets, Salina, New York. The Cooper property includes two inactive landfills, the North and South Landfills, which comprise the Site. The North Landfill reportedly accepted an unknown quantity of solid industrial waste (i.e., foundry sand) from the Crouse-Hinds facility from the mid-1950s through 1972. From 1972 through approximately 1979, this landfill was used for disposing approximately 85 cubic yards per day of non-putrescible solid wastes including foundry sand, floor sweepings, metal buffing and polishing residue, scrap lumber, plastic wastes and paint scrapings that were generated at the Crouse-Hinds facility. Zinc hydroxide sludge was also reportedly deposited in this landfill between 1972 and 1980. Between 1980 and 1983 approximately 40 cubic yards per day of industrial waste, from the Crouse-Hinds facility, including foundry sand and core butts were disposed of in the landfill. In April of 1981, Crouse-Hinds applied for a Part 360 permit to operate a non-hazardous landfill. On 10 March 1982, Crouse-Hinds withdrew the application. The north landfill has been inactive since 1989. The South Landfill reportedly accepted a combination of municipal solid waste from the City of Syracuse and industrial waste from the Crouse-Hinds facility consisting of foundry mold and core sand, scrap steel drums and shot, fly ash, paint scrapings, garbage and construction/demolition debris. Material placement in this landfill reportedly occurred between 1960 and 1969. Approximately 2,000 cubic yards per week of municipal solid waste from the City of Syracuse was reportedly accepted at the landfill between 1960 and 1963. The landfill has been inactive since 1969.

In 1984, the Site was listed as a "Class 3" New York State Inactive Hazardous Waste Disposal Site (No. 7-34-004) pursuant to Environmental Conservation Law 27-1301(2).

# 1.3.3 Previous Assessments and Investigations

A summary of the previous site investigations, which were conducted at the Site in the early 1980's are described below. Information referenced in this section has previously

been provided as attachments to the NYSDEC-approved PSA Work Plan (dated 9 January 2004, and revised 28 April 2004) and is not provided in this report.

Phase I Report, Engineering Investigations and Evaluations at Inactive Hazardous Waste Sites, Crouse Hinds, Onondaga County, NY. Engineering-Science, Inc., June 1983.

The NYSDEC retained Engineering-Science, Inc. (ES) to conduct an engineering investigation and evaluation at the Site, which included the calculation of a Hazard Ranking System (HRS) score and the estimation of costs of any potential remedial actions. ES concluded in their report that there was insufficient information available to complete a final HRS score for the Site. Specifically, ES indicated that additional target information for air and groundwater would be required for generating a HRS score. Based on their evaluation, ES recommended an air monitoring survey to determine air quality. No additional groundwater investigation was recommended. Based on available information it was not clear whether any air quality monitoring was performed at the Site.

Support documentation contained in ES's Phase I Report provided additional information regarding historic operations at the Site as well as additional historic investigations, sampling events and analytical results conducted by others. Specifically, these investigations included the installation of three groundwater-monitoring wells on the North Landfill and several sampling events conducted in 1980 and 1981 as part of an application for landfill permitting. A review of the findings presented in these reports indicated that groundwater samples collected at the perimeter of the North Landfill detected cyanide, phenols, several volatile organic compounds (VOCs) (i.e., benzene, toluene, xylene and chloroform) and some metals (i.e., cadmium, chromium and zinc) in groundwater samples. Limited groundwater monitoring at the South Landfill detected the presence of cyanide in groundwater samples.

Hydrogeologic Investigation, Crouse-Hinds Landfill, Syracuse, New York. Empire Soils Investigations, Inc. November 1983.

In the early 1980's, Crouse-Hinds retained Empire Soils Investigations, Inc. (a.k.a. Thomsen Associates) to complete a hydrogeologic investigation specific to the North Landfill. The purpose of this investigation was to determine groundwater flow direction in each of two distinct aquifers located beneath the landfill. These aquifers reportedly consisted of peat deposits located directly beneath the waste material and a sand and gravel unit located beneath the peat layer. A silt and clay unit ranging from 12 to 54 feet in thickness reportedly separates the two aquifers.

As part of the investigation, Thomsen Associates installed a total of 11 test borings, eight of which were completed as monitoring wells to supplement the existing monitoring well network (i.e., three wells installed by others). The monitoring wells included three locations installed in the shallow (i.e., peat) aquifer beneath the waste material and five locations installed in the deeper (i.e., sand and gravel) aquifer (Note: three of the deeper well locations were coincident with the shallow wells resulting in three nested pairs of wells). The three remaining soil borings were drilled west of the landfill; however, wells were not installed in these test borings.

According to the Thomsen Associates report, the soils encountered beneath the landfill consist of a peat layer ranging in thickness from 0.5 feet to 9 feet directly underlying the waste material. The peat layer is thicker to the west of the landfill and ranges from 10.5 feet to 17 feet in thickness. A silt and clay unit underlies the peat layer and ranges in thickness from 12 feet to 54 feet with the thickest portion of the unit in the southwestern portion of the landfill. A medium to coarse sand with varying amounts of gravel underlies the silt and clay. The sand and gravel was described as at least 20 feet thick, the lower extent of which was not encountered during drilling activities.

In order to determine the groundwater flow direction in each aquifer as well as to identify any seasonal variation in flow direction, water level measurements were collected from each well, new and existing, on a monthly basis from December 1982 through October 1983. The results of the water level measurements indicated a general flow direction in the shallow aquifer to the west and southwest toward Ley Creek. The water level measurements also indicated a minor seasonal variation in the eastern portion of the

landfill during the winter months. This variation consisted of an easterly to southeasterly component of flow in the eastern portion of the landfill. Water level measurements in the deeper aquifer indicated a more significant seasonal variation in the sand and gravel. During the summer months, the general groundwater flow direction was to the east and during the winter months, the general groundwater flow direction was to the west. Thomsen Associates also noted that the deeper aquifer was under artesian conditions for the majority of the year.

Based on their investigation, Thomsen Associates concluded that any leachate produced by the landfill should flow through the peat layer toward Ley Creek. They further concluded that the vertical migration of any leachate generated would be inhibited by the silt and clay unit as well as the artesian conditions in the sand and gravel unit. For these reasons, Thomsen Associates concluded that the effect of the landfill on water quality should be restricted to the groundwater in the organic deposits.

Thomsen Associates also recommended the installation of additional monitoring wells based on the seasonal variations observed in both shallow and deep aquifers.

Specifically, Thomsen Associates recommended installing two new wells, one shallow well and one deep well, to further refine groundwater flow direction as well as for monitoring water quality. It does not appear that these wells were ever installed.

### 2.0 PSA SCOPE OF WORK

This section describes the tasks that were completed at the Site during the PSA. All activities were conducted in accordance with the NYSDEC-approved Work Plan.

# 2.1 SUBSURFACE SOIL INVESTIGATION

#### 2.1.1 Test Pit Excavations

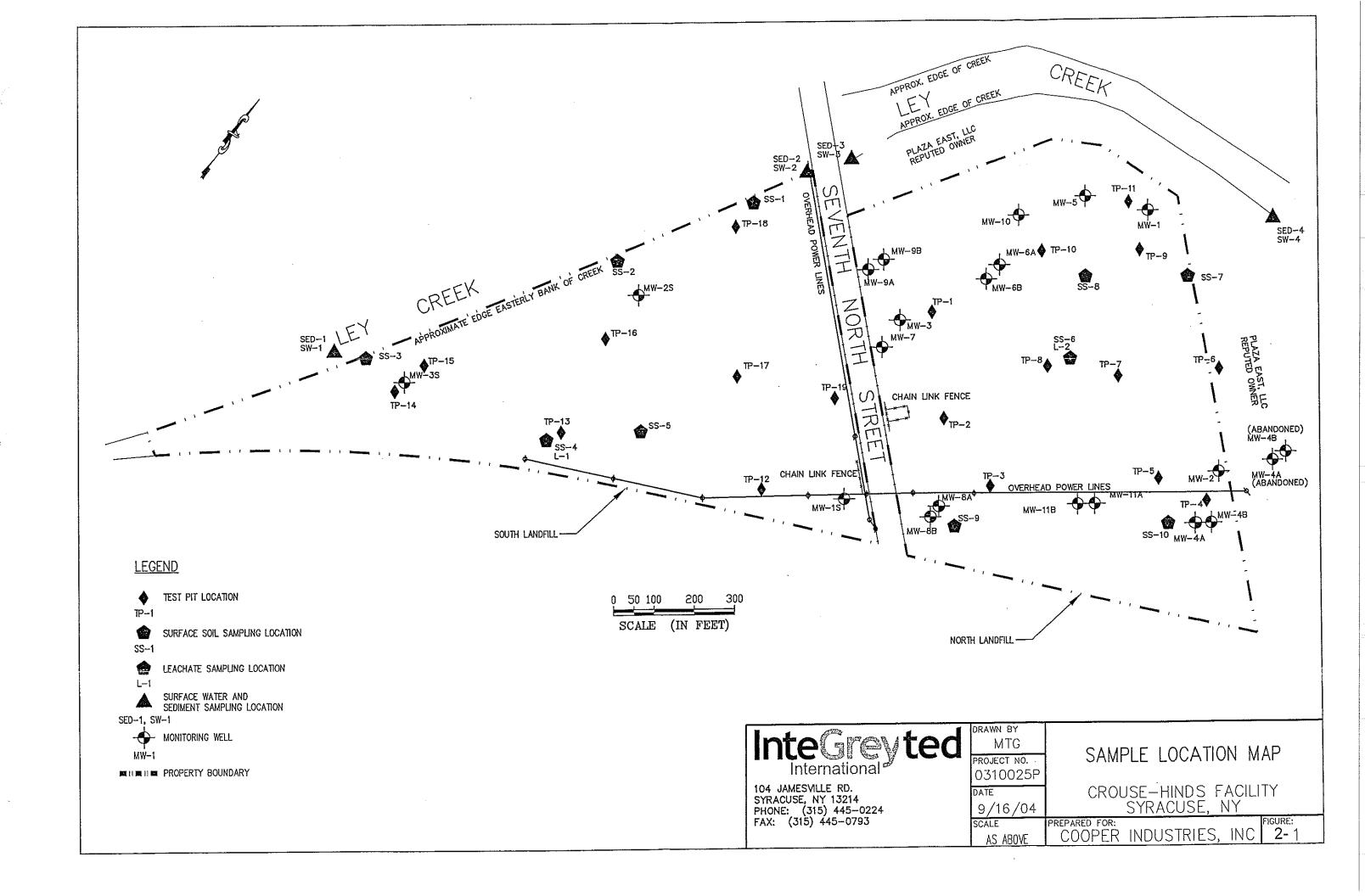
On 7 and 8 June 2004, a total of 19 test pits (8 on the South Landfill and 11 on the North Landfill) were advanced to a maximum depth of fifteen feet below grade in fill material existing at both landfills to document the nature of fill and underlying soil (Figure 2-1). The majority of the test pits (i.e., 13) were advanced at or near the estimated perimeter of the waste mass in each landfill; however, several test pits (i.e., 6) were also advanced within the interior areas of each landfill.

During excavation work, InteGreyted's onsite inspector screened all soils with a photoionization detector (PID) and evaluated the soils for odors, staining, and discoloration. Following removal, excavated material was placed back in each excavation and the area was re-graded.

# 2.2 HYDROGEOLOGIC INVESTIGATION

# 2.2.1 Monitoring Well Survey

On 20 April 2004, a survey of all existing monitoring wells located on the Site was conducted to verify the condition of the wells and to determine if the wells were viable, and to determine what, if any, modifications/upgrades were necessary to secure the wells and ensure their future viability. As part of the survey, a detailed inspection of each well was conducted, which included evaluation of the visible well casing and any protective casings. The integrity of the upper concrete seals was also evaluated. Each well was also sounded with an electronic water level indicator to determine depth to groundwater.



depth to well bottom and depth of sediment. These measurements were then compared with available well logs to evaluate conditions at each well. Wells were also evaluated for the presence of floating free-phase product, sheens and odors.

The findings of the survey indicated that all existing wells, with the exception of wells W-4A and W-4B, located on the north landfill (Figure 2-1), were usable for the PSA. Wells W-4A and W-4B were determined to be unusable during the PSA due to the presence of compromised concrete seals, which had heaved out of the ground, and due to the presence of significant residual material (up to 20 feet) which had accumulated in the wells. InteGreyted recommended that these two wells be abandoned during the PSA and reinstalled at an onsite location (**Note**: These wells were located in an area that was off of the site proper).

#### 2.2.2 Well Abandonment

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On 11 June 2004, monitoring wells W-4A and W-4B were abandoned by overdrilling the wells with hollow stem augers (HSA) and pressure grouting the boreholes from the bottom to grade as the augers were withdrawn from the boreholes of each former well. All abandonment activities were conducted in accordance with the generally accepted well abandonment guidance established by NYSDEC.

#### 2.2.3 Monitoring Well Installations

On 6 through 11 June 2004, seven monitoring wells, consisting of three shallow and deep well pairs (MW-4A and MW-4B, MW-9A and MW-9B, MW-11A and MW-11B) and one shallow well (MW-10) were installed at the Site (Figure 2-1). Wells MW-4A and MW-4B were replacements for wells W-4A and W-4B, which were abandoned. These wells were located to the southeast of their former locations in an area that was anticipated to provide upgradient groundwater coverage for the Site. Well pair MW-9A and MW-9B was installed in the southwest corner of the Site to provide groundwater flow and quality data in the area between the north landfill and Ley Creek. Well pair MW-11A and MW-11B was installed along the eastern side of the Site to provide

groundwater flow and quality data in an area where groundwater data were previously not available. Well MW-10 was installed along the west side of the Site to provide groundwater flow and quality data along the edge of the Site in the area between the landfill and Ley Creek.

Monitoring well borings were installed to a maximum depth of approximately 68 feet below grade using 4.25-inch inside diameter (ID) HSA drilling techniques. Using a split-spoon sampler, soil samples were collected continuously from grade to the depth of completion in all deep well borings (MW-4B, MW-9B, and MW-11B), and at the location of the unpaired shallow well (MW-10). InteGreyted's onsite geologist logged and classified all soil samples, screened all soils with a PID, and evaluated the soils for odors, staining, and discoloration.

Upon completion of each well boring, monitoring wells, which were constructed of two-inch-diameter PVC riser and 10 feet of 0.01-inch slot PVC well screen were installed in each boring. The well screen in shallow wells was installed to straddle the shallow water table. The well screen in the deep wells was installed in the sand and gravel unit. A sand pack was installed around the well screen and extended one to two feet above the top of the well screen. A one-foot-thick bentonite pellet seal was placed above the sand pack and a cement/bentonite grout was utilized to backfill the remainder of the annulus to grade. The wells were completed with steel protective guard pipes. Following installation, reference points were marked on the top of the well casing to allow for surveying. All generated wastes (i.e., soil cuttings) were staged on, and covered with, plastic sheeting pending proper management.

# 2.2.4 Well Development

Low-flow purging and development techniques were used to develop each of the newly installed monitoring wells. Each well was developed until the turbidity of the water was below 50 NTU, and field parameters (pH, conductivity, and temperature) stabilized. Development water from the wells was checked periodically for the presence of a sheen or free product. Development water from the shallow aquifer was discharged directly to

the ground surface; whereas, development water from the deep aquifer was containerized pending future management.

#### 2.3 SAMPLING AND ANALYSIS

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Environmental sampling during the PSA was conducted in accordance with the Sampling and Analysis Plan (SAP), which was included in the NYSDEC-approved Work Plan. Samples collected during the PSA were analyzed by Severn Trent Laboratories, Inc. (STL), which is an NYSDOH ELAP-certified laboratory that participates in the contract laboratory program (CLP). Laboratory analytical procedures adhered to NYS ASP 2000 methodologies and protocols.

Analytical results were reported by STL using NYSDEC ASP 2000 Category B deliverables (with the exception of TCLP analyses). Site-specific quality assurance/quality control (QA/QC) samples, including matrix spike (MS)/matrix spike duplicate (MSD) samples and field duplicates were collected and analyzed, as appropriate.

# 2.3.1 Test Pit Excavation Soil Sampling

Based on visual observations, odors and PID screening data, one composite soil sample per test pit (TP-1 to TP-19) was selected for laboratory analysis. Soil samples were analyzed for VOCs (USEPA Method 8260), semi-volatile organic compounds (SVOCs) (USEPA Method 8270), target analyte list (TAL) metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082). Additionally, ten soil samples from mainly interior area test pits (TP-5-WC, TP-6-WC, TP-7-WC, TP-8-WC, TP-9-WC, TP-10-WC, TP-13-WC, TP-14-WC, TP-16-WC, and TP-17-WC) were collected and analyzed for RCRA waste characterization parameters by the Toxicity Characteristics Leaching Procedure (TCLP). Analyses included TCLP VOCS, TCLP SVOCs, TCLP Pesticides/Herbicides, TCLP Metals, ignitability, corrosivity, and reactivity (H2S and HCN).

# 2.3.2 Surface Soil Sampling

InteGreyted inspected the landfills to document the presence of drainage swales and to estimate if significant leachate releases and/or affected soil and sediment were present. Based on these observations, ten surface soil samples (SS-1 to SS-10) were selected for laboratory analysis (Figure 2-1). Soil samples were analyzed for VOCs (USEPA Method 8260), SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082).

# 2.3.3 Leachate Sampling

InteGreyted inspected the landfills to document the presence of drainage swales and to estimate if leachate releases were present. Based on these observations, while no substantial leachate seeps were noted at either landfill, two leachate/surface water samples (L-1 and L-2) were collected (Figure 2-1). Sample L-1 was collected from a wet area located along the eastern flank of the south landfill where ponded water had collected and/or was leaching from the landfill. This sample was co-located with soil sample SS-4. Sample L-2 was collected from a wet area located near the center of the north landfill where water was ponding and then draining in a swale to the west. This sample was co-located with soil sample SS-6. Leachate samples were analyzed for VOCs (USEPA Method 8260), SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), PCBs (USEPA Method 8082), and total phenols.

#### 2.3.4 Groundwater Sampling

On 30 June and 1 July 2004, groundwater samples were collected from each of the 19 existing monitoring wells located onsite (Figure 2-1). Prior to sampling, each monitoring well was purged a minimum of three well volumes using low-flow purging techniques. Following purging, groundwater samples were collected directly from dedicated low flow sampling tubing. Field parameters (pH, temperature, conductivity, dissolved oxygen, oxidation-reduction potential (ORP), and turbidity) and groundwater elevation data were collected from each monitoring well prior to purging (water level measurement) and

during sampling (field parameters). Groundwater samples were analyzed for VOCs (USEPA Method 8260), SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), PCBs (USEPA Method 8082), and total phenols.

# 2.4 LEY CREEK SAMPLING

On 9 June 2004, four surface water samples (SW-1 to SW-4) and five sediment samples (SW-1 to SW-4, and SW-6) were collected in Ley Creek at locations proximal to the Site (Figure 2-1). Sampling locations were established at the north and south boundaries of each landfill based on field observations and availability of surface water and sediment. Surface water and sediment samples were analyzed for VOCs (USEPA Method 8260), SVOCs (USEPA Method 8270), TAL metals, cyanide, pesticides (USEPA Method 8081), and PCBs (USEPA Method 8082). In addition, surface water samples were analyzed for phenols.

In addition to the sampling points, the PSA Work Plan proposed the installation of two stream gauges in Ley Creek, one at the northern boundary of the North Landfill and one at the southern boundary of the South Landfill. However, observations indicated that there were no locations along Ley Creek where the gauges could be located on Cooper property and properly anchored. All accessible sites were off of the Site and/or in areas where setup of gauges was not possible. Therefore, InteGreyted requested that NYSDEC allow for available stream gauging data from a gauging station located downstream of the Site to be used to supplement the stream gauging data. On 16 July 2004, NYSDEC's project manager indicated acceptance of InteGreyted's proposed modification.

# 2.5 STORM SEWER ASSESSMENT

During site reconnaissance activities, conducted during the week of 31 May 2004, InteGreyted attempted to locate an old storm sewer that was reportedly used in the past to discharge process water on and/or near the Site. Reconnaissance performed across the Site was unable to locate this feature; therefore, sampling proposed in the PSA Work Plan was not conducted.

#### 2.6 SURVEYING

Upon completion of all field tasks, the horizontal and vertical locations of all soil borings and monitoring wells were surveyed by a New York State (NYS) licensed land surveyor. Vertical elevations were recorded to the nearest 0.01-foot. Top-of-PVC casing elevations for each monitoring well were also recorded to the nearest 0.01-foot to establish water table elevations and groundwater flow direction. In addition, all other sampling points (i.e., surface water, surface soil, sediment, etc.) were surveyed and referenced to an onsite fixed datum point.

# 2.7 FISH AND WILDLIFE ASSESSMENT

During June and July 2004, InteGreyted conducted Step 1 of NYSDEC's Fish and Wildlife Impact Analysis (FWIA) process for the Site as outlined in the NYSDEC guidance document entitled, "Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites", dated October 1994.

#### 3.0 PSA RESULTS

This section describes the results of the PSA investigation activities and presents the validated analytical data for the samples, which were collected as part of the PSA.

#### 3.1 DATA EVALUATION

Following receipt, analytical data were checked for completeness and accuracy; and were validated by Mr. Donald Anné, a NYSDEC-approved data validation chemist. Following validation, a Data Usability Summary Report (DUSR) was prepared for each data package. DUSR's are presented in Attachment 1. Analytical data summary reports are presented in Attachment 2. Analytical backup reports (laboratory QA/QC, chromatographs, etc.) are not presented as part of this report; however, they will be made available upon request.

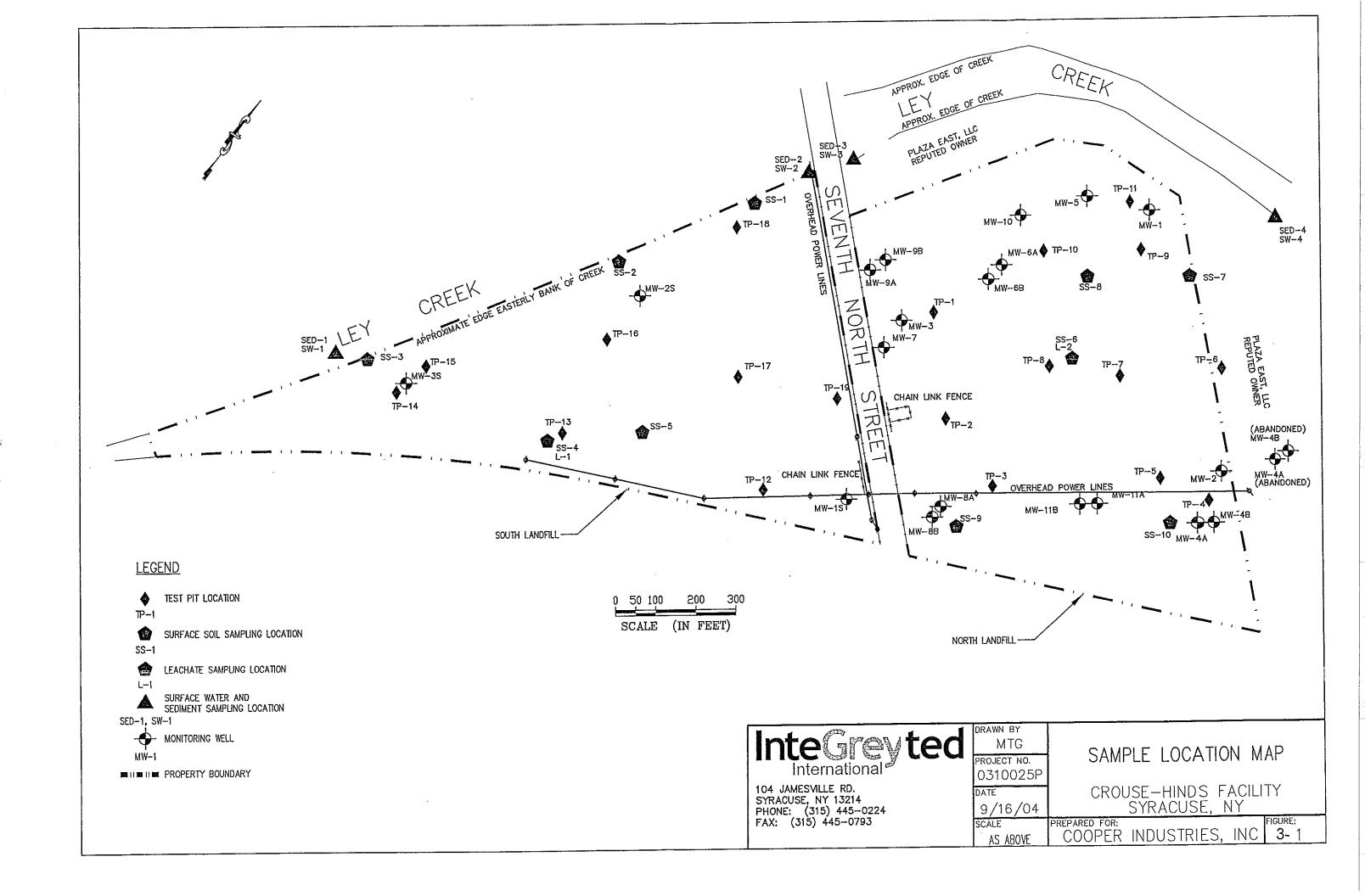
Analytical data for test pit and surface soil samples were compared to NYSDEC TAGM 4046 recommended soil cleanup objectives. Waste characterization data for test pit samples was compared to USEPA's Maximum Concentration of Contaminants for the Toxicity Characteristic, as defined by TCLP.

Groundwater and surface water analytical data were compared to NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1 (TOGS) ambient water quality standards and guidance values, which are derived from 6 NYCRR Parts 700-705, Water Quality Regulations.

Sediment analytical data were compared to NYSDEC's Division of Fish, Wildlife and Marine Resources Technical Guidance for Screening Contaminated Sediments.

#### 3.2 SOIL INVESTIGATION RESULTS

Observations and field screening conducted during the installation of 19 test pits and seven monitoring wells across the Site indicated the following (Figure 3-1). Test pit logs and soil boring logs are presented in Attachment 3.



- Test pits installed across the north landfill (TP-1 to TP-11) ranged in depth from 6 feet to 15 feet below grade. Generally, material encountered in these test pits was industrial fill, which consisted primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris. The foundry sand was black in color and generally exhibited an oily nature (degraded oily odor and oily appearance). PID readings in the test pits ranged from 1 ppm to 27 ppm in all test pits, with the exception of those in test pit TP-4, which were up to 237 ppm. Elevated PID readings in TP-4 appeared to be related to the presence of petroleum-based waste materials, which were observed within the test pit debris and on the water surface (petroleum sheen) in the test pit.
- Fill material was encountered from grade to depths of greater than 15 feet below grade in test pits located across the north landfill. Cover material present on top of the fill material consisted of a thin organic layer that supported the vegetative cover. Thickness of the fill material across the landfill varied from 3 feet to greater than 15 feet. The thickness of fill observed across the southern half of the north landfill (TP-1, TP-2, TP-3 and TP-8) ranged between 3 feet (TP-8) and 11.5 feet (TP-1). Materials underlying the fill across this portion of the landfill generally consisted of peat deposits (TP-1, TP-2 and TP-3) and clay (TP-8). The thickness of fill material observed beneath the northern half of the north landfill (TP-4, TP-5, TP-6, TP-7, TP-9, TP-10, and TP-11) varied from 9 feet to greater than 15 feet. Materials underlying the fill material across this portion of the landfill consisted of peat deposits (TP-4 and TP-11) and sand and gravel deposits (TP-5, TP-6, and TP-7). In test pits TP-5 and TP-9, the extent of the fill was not determined due to equipment limitation on the depth of excavation. In these excavations the thickness of fill was greater than 15 feet.
- Test pit excavations across the north landfill were not able to define the horizontal limits of the fill material located onsite. Excavations were located along the expected boundaries of the fill (based on field observations); however, observations indicated that fill materials likely extend beyond the areas where test

- pits were located on the north landfill. **Note:** Delineation of the waste mass to the east was limited by the presence of wetlands.
- Test pit excavations across the north landfill were able to define the vertical limits of fill materials located across the majority of the landfill. Fill thickness was found to be greater across the northern half of the landfill, where mounding of fill is evident, versus the southern half of the landfill, where topography is flat.
- Observations indicated that the natural materials underlying the fill material
  generally consisted of continuous deposits of peat and/or sand and gravel. The
  occurrence and nature of these deposits was similar to those identified during
  previous hydrogeologic investigations at the Site (See Section 1.3.3) and are
  consistent with those deposits which comprise the shallow aquifer beneath the
  Site. Groundwater was also encountered in several of the test pits.

# 3.2.2 South Landfill Test Pits

- Test pits installed across the south landfill (TP-12 to TP-19) ranged in depth from 8 feet to 15 feet below grade. Material encountered in these test pits was either industrial fill (TP-12 and TP-16), which consisted primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris, or municipal fill (TP-13, TP-14, TP-15, TP-17, TP-18, and TP-19), which consisted of paper, glass bottles, plastic, wood, metal cans, metal debris, and general municipal refuse. The foundry sand contained in the industrial fill was black in color and generally exhibited an oily nature (degraded oily odor and oily appearance). PID readings in the test pits, which contained the industrial fill generally ranged from 10 ppm to 17 ppm. The municipal fill material had PID readings ranging from 1 ppm to 7 ppm, and did not exhibit odors typically associated with petroleum-impacted materials.
- Fill material (industrial and commercial) was encountered from grade to depths of greater than 15 feet below grade in test pits located across the south landfill.

  Cover material present on top of the fill material consisted of a thin organic layer that supported the vegetative cover. Thickness of the fill material across the landfill varied between 7 feet and greater than 15 feet. The thickness of fill

materials observed in the central area of the landfill (TP-13, TP-16, and TP-17) was generally several feet greater (11.5 feet to 15+ feet) than that observed in test pits located along the perimeter (TP-12, TP-14, TP-15, TP-18 and TP-19) of the landfill (8 feet to 11 feet). Materials underlying the fill material beneath the landfill generally consisted of peat deposits, with the exception of silt and clay deposits, which were encountered in the area of TP-19. In test pit TP-16, the extent of the fill was not determined due to equipment limitation on the depth of excavation. In this excavation the thickness of fill was greater than 15 feet.

- Test pit excavations across the south landfill were not able to completely define the horizontal limits of the fill material located onsite. Excavations were located along the expected boundaries of the fill (based on field observations); however, observations indicated that fill materials likely extend beyond the areas where test pits were located on the south landfill, with the exception of the area along the north boundary, which is bordered by Seventh North Street. Note: Delineation of the waste mass to the west was limited by Ley Creek, which is assumed to be the limits of the fill material. The presence of wetlands and areas of low-lying ponded water limited delineation of the waste mass to the east and south; however, along these sides of the landfill the topography suggests that the waste mass does not extend a significant distance beyond the base of the observed fill slopes.
- Test pit excavations across the south landfill were able to define the vertical limits
  of fill materials located across the majority of the landfill. Observations indicated
  that the natural materials underlying the fill material generally consisted of
  continuous deposits of peat. The occurrence and nature of these deposits was
  similar to those which comprise the shallow aquifer beneath the Site.
   Groundwater was also encountered in several of the test pits.

# 3.2.3 Soil Borings

Soil borings installed in the deep monitoring well borings (MW-4B, MW-9B, MW-11B) and shallow well boring (MW-10) across the north landfill confirmed the presence of several distinct geologic units and aquifers beneath the Site, which had been identified by

others during previous hydrogeologic investigations at the Site (See Section 1.3.3). The units observed during the installation of these borings were consistent with those deposits, which comprise the shallow and deep aquifers beneath the Site.

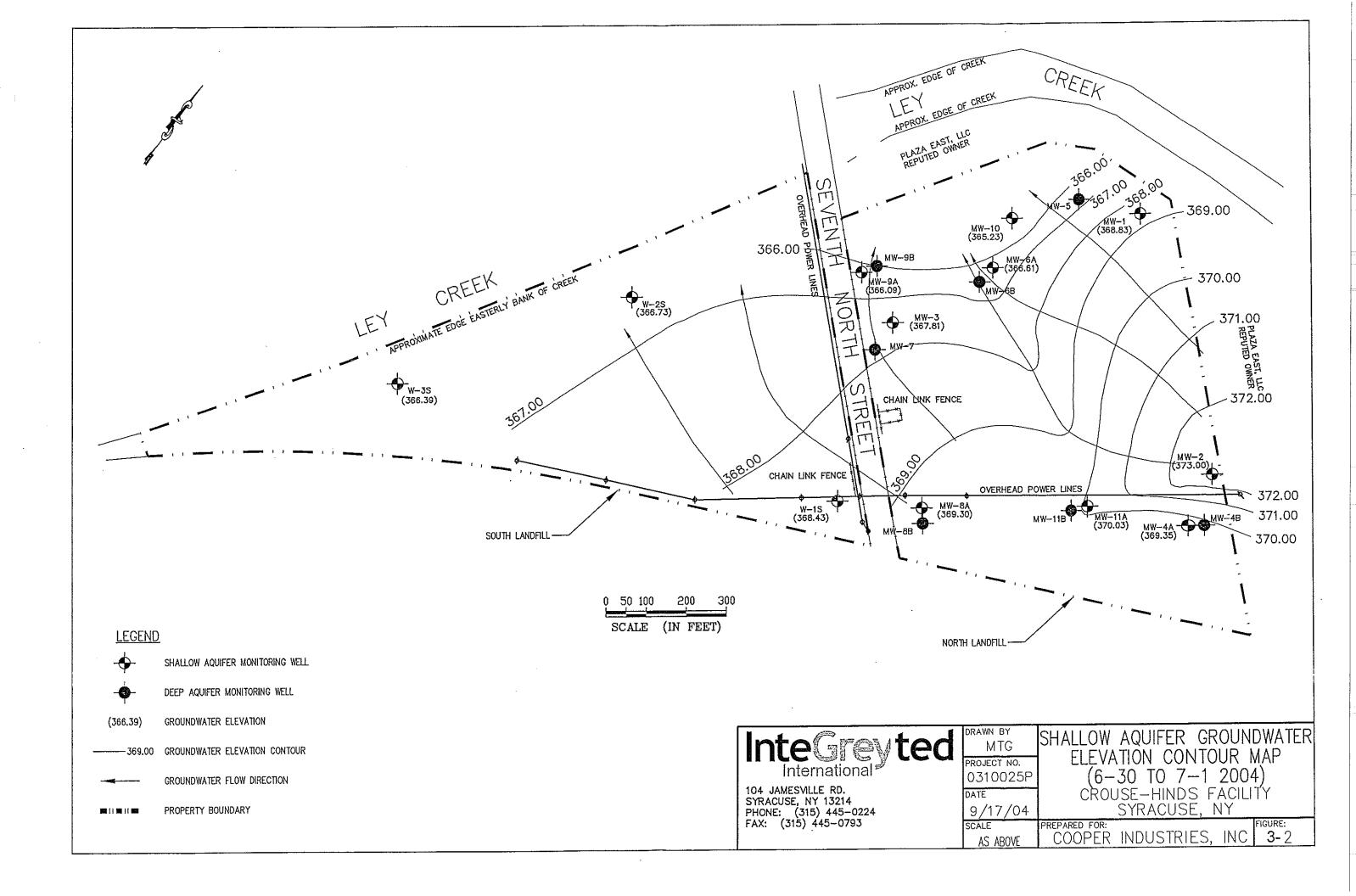
Soil borings indicated the presence of up to 11 feet of industrial fill material (foundry sand, core butts, miscellaneous debris) overlying 6 feet to 8 feet of peat deposits that were mixed with miscellaneous amounts of sand. Shallow groundwater was encountered in this unit. Materials underlying the peat layer consisted of 4 feet to 43 feet of a mixture of silt and clay, which was underlain by a water-bearing sand and gravel unit. The silt and clay unit appeared to be a confining layer between the upper peat layer and the lower sand and gravel deposits.

# 3.3 HYDROGEOLOGIC INVESTIGATION RESULTS

Previous hydrogeologic investigations at the Site encountered two groundwater flow systems beneath the north landfill and one beneath the south landfill (Note: the presence of the second flow system beneath the south landfill was not confirmed because deep borings and wells were not installed across the landfill). These findings were confirmed by wells which were installed during the PSA. The two groundwater flow systems which exist beneath the Site consist of a shallow water table aquifer, which is located in the peat and fill deposits, and a deep confined groundwater flow system in the sand and gravel deposits. The deep aquifer system is separated from the overlying shallow aquifer by a continuous confining layer of silt and clay deposits of varying thickness and is under artesian conditions.

# 3.3.1 Shallow Aquifer

Groundwater occurs in the shallow unconfined aquifer at depths of approximately 2 feet to 7 feet below grade (Attachment 3). Groundwater flow conditions across the Site are illustrated on Figure 3-2. Based on the groundwater flow map, groundwater flow in the shallow aquifer across the Site is generally to the west towards Ley Creek; however, in the northeast corner of the Site (area of wells MW-4A and MW-11A) groundwater flow



direction appears to be towards the east in the direction of wetlands that are located immediately adjacent to wells in that area of the Site. Groundwater contour and flow lines across the area of the north landfill appear to be deflected near the center of the landfill. This deflection is likely due to topography changes in the area, which are related to the presence of a fill mound to the north and a drop in thickness of the mound towards the south. The slope of the fill mound transitions to flatter areas of the Site in the central area of the north landfill, where the contour and flow deflections across the groundwater surface are most notable. The hydraulic gradient of the water table varies from 0.0025 feet/feet, across the south landfill and south central area of the north landfill, to 0.01 feet/feet, across the north central and northern area of the north landfill.

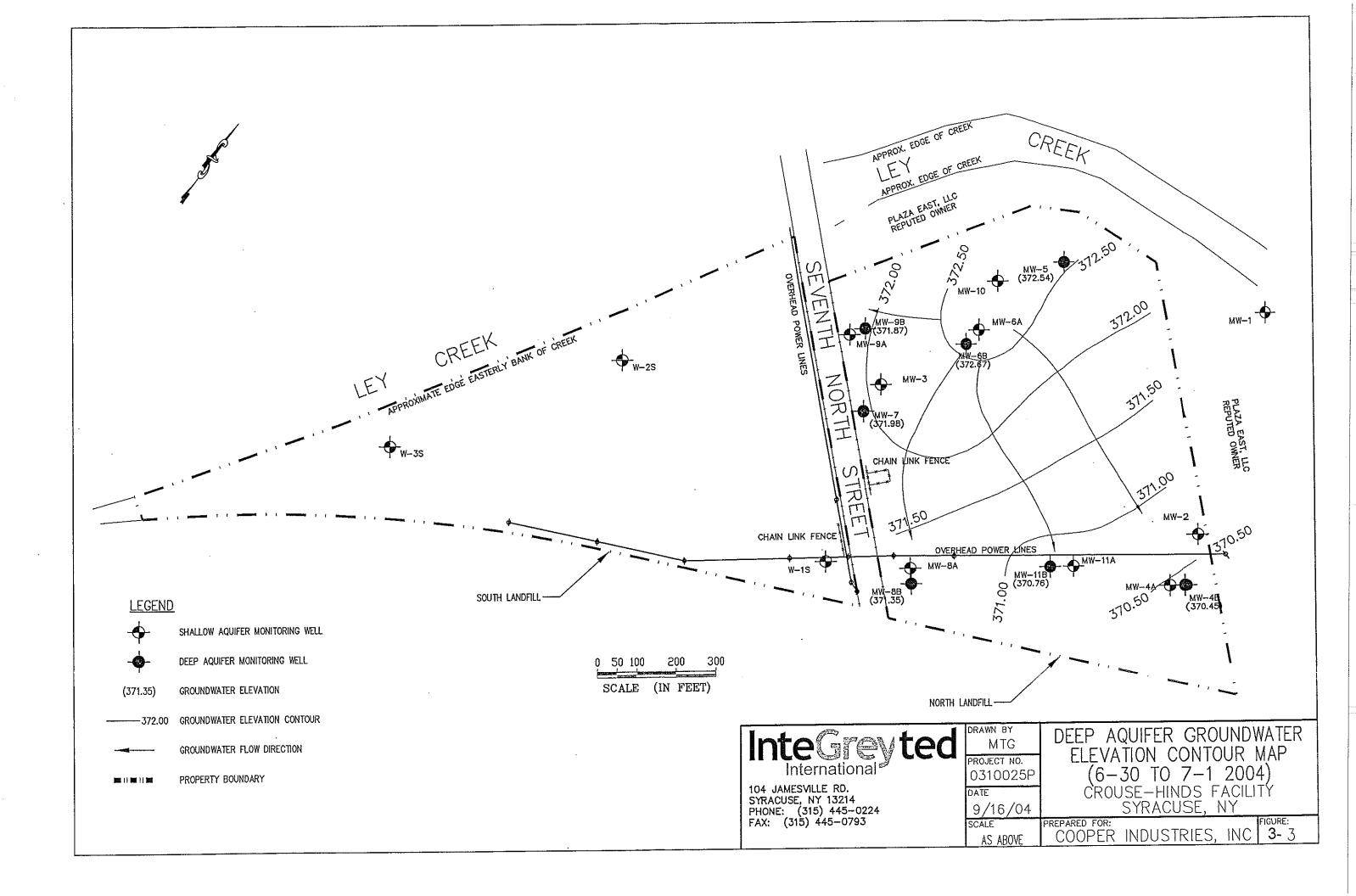
# 3.3.2 Deep Aquifer

Groundwater in the deep aquifer is under artesian conditions and groundwater elevations measured in the deep monitoring wells were measured at and/or above grade in all deep monitoring wells (Attachment 3). Groundwater flow conditions across the Site are illustrated on Figure 3-3. Based on the groundwater flow map, groundwater flow in the deep aquifer across the north landfill section of the Site is radial from the area of MW-6B to the southeast to northwest. The hydraulic gradient of the deep aquifer ranges between 0.0023 feet/feet to 0.003 feet/feet. Water level data in paired wells (MW-4A and MW-4B, MW-6A and MW-6B, MW-8A and MW-8B, MW-9A and MW-9B, and MW-11A and MW-11B) indicate that an upward vertical gradient is present in the deep aquifer.

#### 3.4 ANALYTICAL RESULTS

# 3.4.1 Test Pit Soil Analytical Results

Analytical results for test pit soil samples are presented on Tables 3-1, 3-2 and 3-3. A review of the analytical data for soils collected from 19 test pits (TP-1 to TP-19) indicated the following.



#### ₹-1 Test Pit Soil San \_\_\_\_\_nalytical Results VOCs and SVOCs Crouse-Hinds Landfills

	TAGM 4046									SAM	DIF ID / C	ample Depti	- /CA		<del></del>						
PARAMETER	Soil Cleanup	TP-1	TP-2	TP-3	TP-4	TP-S	TP-6	TP-7	TP-8	TP-9	TP-10	TP-10A (1		TP-12	TP-13	TP-14	TP-15	TP-16	TP-17	TP-18	TP-19
Volatile Organic Compounds (ppb)	Objectives (ppb)	(1' - 11')	(1' - 8')	(1' - 9.5')	(1' - 3')	(1'-15')	(0' - 11.5')	(0' - 13')	(0' - 3')	(1' - 15')	(1' - 15')	(1' - 15')	(0' - 14.5')	(1' - 11')	(1' - 12')	(1' - 7')	(1'-9')	(1' - 15')	(1'-11')	(1' - 10.5')	(1'-8'
																	:::::::::::::::::::::::::::::::::::::::				1
Chloroethane Mathematical Chlorida	1,900	ND	ND	ND	ND	ND	ND	ND	22 J	ND	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	100	2 J	3 J	5.J	5,400 JD	ŅD	10 J	7 J	4 J	2 J	1.7	6 J	3 J	2 J	6.7	2.J	7.3	2.J	2 J	ND	7 J
Acctone	200	17	30	25	1,000	87	13	91	100 J	28	8.3	403	36	32	17 J	2 Л	13 J	14	25	6 J	9 J
Carbon Disulfide	2,700	3 J	ND	3 J	ND	ND	4 J	2.3	91	18,0	ND	6.1	2 J	2 J	81	2 J	83	ND	ND	ND	7 J
2-Butanone	300	2 J	4 J	3 J	ND	17 J	ND	2.J	8.J	4 J	ND	4 J	43	7 J	4 J	ND	ND	ND	7 J	ND	ND
Benzene	60	ND	ND	2 J	57 J	ND	4 J	1.7	ND	2 Ј	ND	3 Л	6 J	2.J	2 J	ND	ND	ND	5 J	ND	2.3
4-Methyl-2-Pentanone	1,000	ND	ND	ND	ND	ND	ND	ND	5 J	ND	ND	2 J	ND	ND	ND	ND	ND	ND			
Tetrachlorouthene	1,400	ND	ND	ND	11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<del></del>			ND	ND	ND
Toluene	1,500	ND	ND	3 Ј	120,000 D	80	43	2.J	8.3	2.J	ND	3 J	3 J	11 3		2.Ј	ND	ND	ND	ND	ND
Chlorobenzene	1,700	ND	ND	ND	ND	ND	61	ND	ND	ND	ND	ND	ND		3 J	2 J	2 J	ND	3.1	ND	6 J
Ethylbenzene	5,500	ND	ND	ND	15,000 D	830 D	13 J	ND	31					ND	21	12 J	4 J	ND	12 J	4 J	ND
Styrene	NS	ND	ND	ND	45 J	420	ND	ND	ND	630 D	19	4 J	4 J	63	ND	ND	ND	ND	9 J	ND	23
1,4-Dichlorobenzene	8,500	ND	ND	ND	ND	22 J	18 J	ND ND		7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	7,900	ND	ND	ND	ND	ND ND			ND	ND	ND	ND	ND	ND	22	81	4 J	ND	13 J	53	ND
Xylenes, Total	1,200	ND	11.3	51			3.7	ND	ND	2 J	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)	1000	14D	1111	1,1,1,1,1,1,1,1	350	260	71 J	ND	25	26	5 J	13	12 J	45	4 J	ND	ND	4 J	34	ND .	5.J
Phenol	30 or MDL	3770	3 700			*:-:-:					400000000000000000000000000000000000000										( ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
2-Methylphenol	100 or MDL	ND	ND	88 J	240 J	980	1,500	1,400	2,300	3,900	930 J	1,300	2,000	110 J	ND	ND	ND	430	ND	ND	ND
4-Methylphenol	900	ND_	ND	91 J	84 J	760	830	440	530	170 J	800 J	830	690	81 J	ND	ND	ND	190 J	ND	ND	ND
Nitrobenzene		ND	57 J	170 J	94 J	830	940	420	300 J	210 J	990 J	1,100	820	170 J	ND	ИD	ND	200 J	ND	ND	48 J
Isophorone	200 or MDL	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	4,400	ND	ND	ND	ND	ND	410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	NS	ND	ND	94 J	56 J	610	770	220 J	300 J	180 J	980 J	740	600	61 J	ND	ND	ND	120 J	ND	ND	ND
1,2,4-Trichlorobenzene Naphthalene	3,400	ND	ND	ND	ND	160 J	ND	ND	25	ND	220 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<del></del>	13,000	180 J	520	250 J	370 J	1,100	1,400	850	1,000	1,100	1,800 J	940	1,500	1,200	89 J	140 J	ND	350 J	140 J	110J	280 J
4-Chloroaniline	220 or MDL	ND	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	240 or MDL	ИD	ND	24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	36,400	150 J	240 \$	230 J	240 J	1,200	1,600	1,100	560	620	1,400 J	850	1,300	620	ND	92 J	ND	230 J	100 J	ND	210 J
2,4,5-Trichlorophenol	100	ND	ND	ND	ND	ND	130 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Accesaphthylene	41,000	ND	ND	74 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64 J
Acenaphthene	50,000	410 J	100 J	190 J	840	200 J	460	ND	801	530	ND	70 J	620	610	ND	ND	ND	ND			
Dibenzofuran	6,200	ND	160 J	200 J	510	260 J	480	89 J	140 J	510	68 J	260 J	790	620	ND	ND	ND	82 J	98 J	ND	1101
Fluorene	50,000	1,300 J	290 J	320 J	1,000	450	640	87 J	150 J	660	580 J	320 J	1,100	1,000	ND				90 J	ND	130 J
Phenanthrene	50,000	5,900 D	930	1,200	18,000 D	1,300	2,200 J	330 J	1,000	1,900	1,900 J	950	7,200 D	4,700 D		100 J	ND	ND	160 J	ND	280 J
Anthracene	50,000	1,200 J	180 J	260 J	4,100 JD	260 J	660 J	79 J	260 J	330 J	130 J	210 J			370 J	310 J	170 J	300 J	1,200	170 J	1,700
Di-n-butylphthalate	8,100	ND	ND	ND	ND	660	ND	ND	67 J	91 J	ND	ND ND	1,400	1,300	83 J	ND	ND	57 J	210 J	ND	340 J
Fluoranthene	50,000	1,800 J	620	1,200	40,000 D	300 J	1,600 J	130 J	1,100	800			ND	44 J	71 J	140 J	98 J	ND	ND	ND	ND
Pyrene	50,000	2,300 DJ	460	2,600 J	29,000 D	700 J	2,800 DJ	100 J			380 J	280 J	7,500 D	2,700	740	230 J	320 J	150 J	1,200	190 J	2,200
Butylbenzylphthalate	50,000	ND	ND	47 ]	ND ND				1,800	750	740 J	400 J	5,800 D	3,400 D	760	460 J	620 J	120 J	2,400 J	140 J	3,000
Benzo(a)anthracene	224 or MDL	700 J	170 J	630 J	14,000 D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	810 J	ND	ND
Chrysene	400	1,000 J	230 J		***************************************	140 J	1,100 J	ND	610	150 J	230 J	110 J	2,600 J	1,500 J	360 J	91 J	190 J	47 J	660 J	82 J	1,000
Bis(2-Ethylhexyl)phthalate	50,000	ND	580	960 J	17,000 D	240 J	1,100 J	53 J	670	160 J	150 J	130 J	2,700 J	1,400 J	420 J	180 J	270 J	73 J	840 J	97 J	1,200
Di-n-octylphthalate	50,000			1,300	820 J	1,500 J	1,200 J	100 J	350 J	510	630 J	570	3,000 J	4,900 DJ	530 3	3,600 J	4,600 J	1103	950 J	440 J	130 J
Benzo(b)fluoranthene		ND	ND	ND	ND	ND	83 J	ND	ND	ND	ND	96 J	ND	ND	ND	ND	ND	ND	ND	ДZ	ND
Benzo(k)fluoranthene	1,100	750 J	230 J	1,200 J	20,000 D	220 J	1,500 J	41 J	1,100 J	140 J	140 J	110 J	4,000 D	1,700 J	550 J	130 J	3603	71 J	1,000 J	93 J	1,500 J
Benzo(n)pyrene	1,100	3101	72 J	330 J	7,500 JD	76 J	470 J	ND	1 00E	ND	ND	ND	1,200 J	640 J	200 J	59 J	130 J	ND	330 J	ND	660 J
Indeno(1,2,3-cd)pyrene	61 or MDL	460 J	150 J	770 J	12,000 D	140 J	970 J	ND	590 J	88 J	43 J	53 J	2,300 J	1,000 J	340 J	84 J	200 J	ND	710 J	ND	1,000 J
	3,200	190 J	54 J	380 J	3,800 JD	58 J	480 J	ND	250 J	ND	ND	ND	1,300 J	420 J	140 J	ND	130 J	ND	310 J	ND	450 J
Dibenz(a,h)anthracene	14 or MDL	ND	ND	150 J	1,400 J	54 J	170 J	ND	130 J	ND	ND	ND	410 J	150 J	ND	ND	ND	ND	150 J	ND	170 J
Benzo(g,h,l)perylene	50,000	360 J	50 J	390 J	3,500 JD	100 J	530 J	ND	300 J	ND	ND	45	1,200 J	410 J	140 J	58 J	150 J	ND	340 J	ND	430 J

ND: Compound not detected.

(1): Sample TP-10A is a duplicate of TP-10.

NS: No Standard.

MDL: Method Detection Limit,

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

1,200 Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

 $\mathbf{T}_{I}$ -2 Test Pit Soil Sampanalytical Results Pesticides, PCBs and Metals Crouse-Hinds Landfills

	TAGM 4046		SAMPLE ID / Sample Depth (feet)  TP-1 TP-2 TP-3 TP-4 TP-5 TP-6 TP-7 TP-8 TP-9 TP-10 TP-10A (4) TP-11 TP-12 TP-13 TP-14 TP-15 TP-16 TP-17 TP-19 T															- 212			
D. D. L. C.	Soil Cleanup		TP-2	TP-3	TP-4	TP-5	TP-6	TP-7	TP-8	TP-9	TP-10			TP-12	TP-13	TP-14	TP-15	TP-16	TP-17	TD 10	TP-19
PARAMETER	Objectives (ppb)	(1' - 11')	(1' - 8')	(1' - 9.5')	(1' - 8')	(1' -15')	(0' - 11.5')	(0' - 13')	(0' ~ 3')	(1' - 15')	(1' - 15')		(0' - 14,5')	(P-1P)	(1' - 12')	(1' - 7')	(1' - 9')	(1' - 15')	(1'-11')	TP-18 (1' - 10.5')	
Pesticides (ppb)													3::::::::::::::::::::::::::::::::::::::						· · · · · · · · · · · · · · · · · · ·	(1 - 10.3)	
beta-BHC	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0,9 JP	ND	ND	ND				
gamma-BHC (Lindane)	60	ND	0.8 ЛР	13 PJ	ND	1.1 JP	ND	ND	ND	ND	ND	10 PJ	ND	ND	3 JP			3.6	ND	ND	ND
Heptachlor	100	ND	ND	ND	ND	ND	ND	ND	ND	2.3 PJ	ND	ND	ND	ND	ND	12 J	36	ND	14 PJ	8,9 PJ	ND
Aldrin	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND	ДND	ND	ND	ND	ND
Heptachlor epoxide	20	ND	ND	ND	ND	ND	ND	ND	ND	3.8 PJ	ND	ND		ND	ND	ND	ND	ND	ND	11 PJ	ND
Endosulfan I	900	ND	ND	ND	ND	ND	ND	ND	ND	ND ND			ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	44	32 PJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2 PJ	ND
4,4'-DDE	2,100	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	5.7 JP	32 J	ND	ND	5,3 JP	20 J	ND
Endrin aldehyde	NS	ND	ND	ND	ND	ND	ND	ND		ND ND	ND	ND	17 PJ	2.2 ЛР	ND	ND	15 PJ	ND	5,4 J	ND	ND
PCBs (ppb)	32333333					ND	NU	100000	ND	עא	ND	ND	ND	ND	ND	9,8 J	5.9 JP	ND	ND	ND	6.1 PJ
Aroclor 1254	10,000 (1)	970 DJ	ND	540 DJ	ND	ND	ND	45 PJ	960 DJ	05	277	NT2		200000	10000000			14000000		1445	1000000
Aroclor 1260	10,000 (1)	150 J	ND	130 J	440 JD	2,700 DJ	ND	32 J	220 J	85 36 J	ND 150 J	ND coo Di	ND	280 DJ	340 D	- 770 J	700 D	100	370 DJ	1,200 DJ	250 DJ
Total PCBs (ppb)	10,000 (1)	1,120	ND	670	440	2,700	ND	77	I,180	121	150	520 DJ 520	ND	71 J	160 J	210 J	150 J	ND	84 J	350 J	67 J
Metals (ppm)	TAGM 4046 Soil									121	130	520	ND	351	500	980	850	100	454	1,550	317
(ppm)	Cleanup Objective (ppm)																				
Selenium	2 or SB	0,81 B	1.3	ND	ND	0.48 B	ND	0.37 B	0.52 B	0.39 B	ND	0.48 B	ND	1 B		2	200	0.10.0	127171111		<u> 2000-0010</u>
Mercury	0,1	ND	0.037	0.1	0.084	ND	ND	ND	ND	ND	ND	ND ND	ND	0.24	2.2	2	ND	0,48 B	1,7 B	0.73 B	0.43 B
Arsenic	7.5 or SB	6.7	18,9	8	2,3 B	3,8	5	6.7	21.6	1.7	3.8	3.5	3.5	7.8	0.44	0,44 15,2	0.26	ND	1.1	0.46	0.11
Barium	300 or SB	62,5	50.5	68.8	67	58.5	58,1	68.5	128	97.4	37.5 B	36.5 B	27.9 B		9.6		11.4	6.4	8.8	8.6	8.2
Beryllium	0.16 or SB	0.3 B	0.45 B	0.25 B	1 B	0.47 B	0,33 B	0.5 B	0,66 B	0.8 B	0.43 B			88.1	189	160	118	42.7 B	166	183	57.5
Cadmium	1 or SB	1.7	4	26.7	3.9	ND	1 B	ND	1,200	3,5	0.43 B	0.45 B 0.45 B	0.29 B	0.32 B	0.3 B	0.28B	0.22 B	0.57 B	0.64 B	ND	0.47 B
Chromium	10 or SB	7.5 *	11.8 *	30,9 *	101 *	24.4 *	17 *	41.2 *	91.3 *	13.7 *			ND	8.2	9.5	70.2	1.1 B	ND	46.8	5.1	19
Cobalt	30 or SB	2.6 B	5 B	3.9 B	3.4 B	2.7 B	5.5 B	5.2 B	11.1 B		21.1 *	13.1 *	9.7 *	34,4 *	28.3 *	119 *	32.7 *	24.4 *	34.8 *	53,2 *	57.5 *
Copper	25 or SB	519 NJ	109 NJ	316 NJ	215 NJ	30 NJ	50 NJ	39.7 NJ	1,720 NJ	1.9 B 12.3 NJ	2 B	1,9 B	1,8 *	3.9 B	7.3 B	12.4 B	10,9 B	4.1 B	6,9 B	4.9 B	5 B
Iron	2,000 or SB	11,000 *	16,900 *	22,600 *	30,500	17,500 *	14,100 *	50,500 *			33.1 NJ	49.1 NJ	46.7 NJ	255 NJ	61.9 NJ	109 NJ	86.4 NJ	44.5 NJ	113 NJ	173 NJ	1,980 BNJ
Lead	SB (2)	36.7 EJ	36.3 EJ	88.3 EJ	80,8 EJ	36.8 EJ			86,100 *	6,840 *	14,400 *	9,750 *	11,800 *	27,400 *	34,400 *	95,800 *	\$5,800 *	23,200 *	26,100 *	35,300 *	23,900 *
Nickel	13 or SB	8 B	15.8	17.1			50,3 EJ	52.6 EJ	335 EJ	68.4 EJ	61.8 EJ	142 EJ	45,2 EJ	76.8 EJ	44.3 EJ	234 EJ	214 EJ	45.8 EJ	43 EJ	379 EJ	151 EJ
Silver	SB	ND	ND ND	ND ND	28,2 ND	15.5	15	28.6	64.5	4 B	12,3	7.5 B	11.8	20,5	18.9	36.4	34.1	26,2	29.5	19,5	19.7
Vandium	150 or SB	7.6 B	13,4	12.1 B	14.4	ND	ND	ND	ND	0,62 BN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	20 or SB	282 NR	320 NR	646 NR	469 NR	8.1 B 166 NR	9.7 B	5.9 B	27.1 B	4.8 B	6.3 B	4.8 B	4,4 B	11.3 B	17.9 B	15.1 B	6,5 B	9.9 B	20.1	11.3 B	18
Total Cyanide	NS (3)	ND ND	ND	ND ND	ND ND	ND NR	90,6 NR	86.3 NR	2,280 NR	147 R	178 NR	215 NR	149 NR	278 NR	271 NR	1,320 NR	368 NR	41.5 NR	920 NR	631 NR	526 NR
Notes:	1.0(0)	414	1 110	ועעו	אט	UI	ND	ND	ND	ND	ND	ND	ND	ND	_ ND	ND	ND	ND	ND	ND	107

ND: Compound not detected.

NS: No Standard.

MDL: Method Detection Limit.

SB: Site Background.

(1): Cleanup objective for subsurface soils.

- (2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm. (3): Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.
- (4): Sample TP-10A is a duplicate of TP-10.

1,200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

#### Organic Data Qualifers:

- J: Estimated Value.
- D: Identified in analysis at secondary dilution factor.
- P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged. Inorganic Data Qualifers:
- E: Estimated value due to interferences.
- I or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit,
- N: Spike sample recovery not within quality control limits.
- \*: Analysis is not within quality control limits.
- R: Data validation rejected data.

T/ 3
Test Pit Soil Sam, nalytical Results
Waste Characterization Analyses
Crouse-Hinds Landfills

	Maximum Concentration				SA	MPLE ID / S	ample Depth	feet)			
PARAMETER	of Contaminants for the	TP-5-WC	TP-6-WC	TP-7-WC	TP-8-WC	TP-9-WC	TP-10-WC		TP-14-WC	TP-16-WC	TP-17-WC
Volatile Organic Compounds (ppb)	Toxicity Characteristic (ppb)	(1' -15')	(0' - 11.5')	(0' - 13')	(0' - 3')	(1' - 15')	(1' - 15')	(1' - 12')	(1' - 7')	(1' - 15')	(1' - 11')
Vinyl Chloride	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	6,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	500	ND	ND	ND	סא	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)			:::::::::::::::::::::::::::::::::::::::						200000000000000000000000000000000000000	34.55.55.55	::::::::::::::::::::::::::::::::::::::
Pyridine	5,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	7,500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-cresol)	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol (m/p-cresol)	200,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	500	ND	ND	ND	ND	ND	ND	ND	מא	ND	ND
2,4,6-Trichlorophenol	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	עא
2,4,5-Trichlorophenol	400,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Metals (ppb)		2010-00-00	1911		333333333	4000000	UND	U	********	ND	עמ
Arsenic	5,000	ND	ND	ND	ND	ND	ND	NID	**************************************		**************************************
Barium	100,000	631	ND	ND	940	ND	ND	ND 478	ND 884	ND	ND
Codmium	1,000	ND	ND	ND	215	69.3	·			ND	660
Chromium	5,000	26.5	ND	20,1	ND	27,5	ND	ND	340	ND	46,6
Lead	5,000	ND	ND	ND	ND		32.8	ND	ND	ND	ND
Mercury	200	ND	ND	ND		413	ND	ND	ND	ND	ND
Selenium	1,000	ND	ND		ND	ND	ND	ND	ND	ND	ND
Silver	5,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides/Herbicides (ppb)	3,000	ND	ND	ND	ND	ND	ND	ND	ND	ND ,	ND
gamma-BHC (Lindane)	400	3.773	370								
Heptachlor	8	ND	ND	ND	מא	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	<del></del>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	10,000	ND	ND	ND	ND	ND	ND	MD	ND	ND	ND
Technical Chlordane	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-D	10,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-TP (Silvex)	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other											
Ignitability (Flashpoint) F°	≤140 F°	>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
Corrosivity (pH Solid)	≤2 or 12,5 ≥	9.37	8.27	10,18	9.28	8,88	9,13	7.69	7.70	8.21	7.20
H2S (mg/kg)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HCN (mg/kg) Notes:	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND: Compound not detected.

NS: No Standard.

1,200 Analyte detected at concentration in excess of Maximum Concentration for the Toxicity Characteristic.

- VOCs (acetone, methylene chloride, toluene and ethylbenzene) were detected in one test pit sample (TP-4), located at the northwest corner of the North Landfill, at concentrations in excess of NYSDEC TAGM 4046 recommended soil cleanup objectives. VOCs were detected in all of the remaining test pit samples; however, concentrations were below soil cleanup objectives. Elevated concentrations of VOCs detected in the sample from test pit 4 (TP-4) correlate with observations and field screening data, which indicated the presence of petroleum impacts in fill material in this test pit. Concentrations of VOCs detected in the remaining test pit soil samples were minimal and showed no discernible pattern of distribution across the Site.
- A minimum of one SVOC was detected in all test pit samples, with the exception of TP-18, at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. SVOCs were detected in TP-18, but at concentrations below soil cleanup objectives. Phenolic compounds were detected in all samples from test pits TP-3 to TP-12 and TP-16. These test pits contained industrial fill and foundry sand. Samples from test pits which contained municipal fill (TP-13 to TP-15 and TP-17 to TP-19) did not contain phenolic compounds. In addition, samples collected from test pits where industrial fill was present (TP-1 to TP-12 and TP-16) generally contained higher concentrations of SVOCs with respect to samples from test pits where municipal fill was present (TP-13 to TP-15 and TP-17 to TP-19). Distribution of higher concentrations of SVOCs in the test pit samples appears to be related to the presence of industrial fill containing foundry sand, which appeared to contain degraded oils.
- Pesticides were detected in all test pit samples, with the exception of TP-4, TP-6
  to TP-8, and TP-10, at concentrations below TAGM 4046 recommended soil
  cleanup objectives. Concentrations of pesticides detected were minimal and
  showed no discernible pattern of distribution across the Site.
- PCBs were detected in all test pit samples with the exception of TP-2, TP-6 and TP-11. Where detected, PCBs were present at concentrations below TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.

- A minimum of three metals were detected in all test pit samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. No discernable pattern of distribution across the Site was observed.
- Cyanide was detected in only one test pit sample (TP-19). However, since there is no established TAGM 4046 recommended soil cleanup objective for cyanide, an evaluation of the impact to the Site could not be made.
- Waste characterization analytical data for 10 soil samples collected from test pits (TP-5WC to TP-10WC, TP-13WC, TP14WC, TP-16WC AND TP-17WC) indicated that VOCs, SVOCs, pesticides, and herbicides were not detected. Several metals including, barium, chromium, cadmium, and lead were detected in eight of the ten samples; however, concentrations were below the maximum concentration of contaminants for the toxicity characteristic as defined by USEPA. Additional characterization analyses performed on the samples, which included flash point, corrosivity and reactivity indicated that the samples did not exhibit hazardous characteristics. Since the soil samples did not exhibit hazardous characteristics and because concentrations of contaminants detected (metals) were below the maximum concentrations for the toxicity characteristic, all of the soils and materials tested are classified as non-hazardous by nature.

### 3.4.2 Surface Soil Analytical Results

Analytical results for surface soil samples are presented on Tables 3-4 and 3-5. A review of the analytical data for surface soils collected at 10 locations (SS-1 to SS-10) across the Site indicated the following.

- VOCs were detected in all samples; however, concentrations were below TAGM
  4046 recommended soil cleanup objectives. Concentrations of VOCs detected
  were minimal and showed no discernible pattern of distribution across the Site.
- A minimum of one SVOC was detected in all surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives.
   Phenolic compounds were detected in four of the five surface soil samples collected on the

TA 3-4
Surface Soil Sample Analytical Results
VOCs and SVOCs
Crouse-Hinds Landfills

	TAGM 4046			mere No. of the Control of the Contr	SAM	PLE ID / Sa	mple Denth	(feet)	and the state of t		
	Soil Cleanup	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10
PARAMETER	Objectives (ppb)	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')
Volatile Organic Compounds (ppb)											
Methylene Chloride	100	ND	ND	2 J	ND	19	2 J	2 Ј	23 J	42	21 J
Acetone	200	25	3 J	27	70	12 J	13 J	6 J	3 J	36	16 J
Carbon Disulfide	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	300	ND	ND	ND	ND	ND	ND	ND	2 J	2 Ј	ND
2-Butanone	300	ND	ND	ND	12 J	ND	ND	ND	ND	ND	ND
Toluene	1,500	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)											
Phenol	30 or MDL	ND	ND	ND	ND	ND	2,000	72 J	280 J	ND	200 J
2-Methylphenol	100 or MDL	ND	ND	ND	ND	ND	690	96 J	54 J	ND	110 J
4-Methylphenol	900	ND	ND	ND	95 J	ND	410 J	140 J	ND	ND	87 J
2,4-Dimethylphenol	NS	ND	ND	ND	ND	ND	320 J	ND	ND	ND	38 J
Naphthalene	13,000	ND	ND	ND	100 J	130 J	2,100	250 J	290 J	64 J	290 Ј
2-Methylnaphthalene	36,400	ND	ND	ND	150 J	160 J	3,000	270 Ј	250 J	67 J	380 J
Acenaphthylene	41,000	ND	ND	ND	ND	46 J	ND	ND	ND	ND	ND
Dimethylphthalate	2,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	420
Accnaphthene	50,000	ND	ND	ND	ND	46 J	130 J	ND	ND	מא	ND
Dibenzofuran	6,200	ND	ND	ND	ND	84 J	340 J	94 J	57 J	ND	100 J
Fluorene	50,000	ND	ND	ND	ND	ND	190 J	51 J	ND	ND	ND
Phenanthrene	50,000	730	180 J	100 J	950	1,000	1,500	610 J	200 J	460	470
Anthracene	50,000	150 Ј	ND	ND	160 J	220 J	380 J	120 J	ND	82 J	87 J
Di-n-butylphthalate	8,100	ND	ND	ND	ND	ND	ND	ND	56 J	60 J	110 J
Fluoranthene	50,000	1,600	300 J	180 J	1,600	1,200	860	580	92 J	830	220 Ј
Ругепе	50,000	1,700	300 J	170 J	4,300 J	1,500	1,400	1,100 J	180 J	1,800 J	560 J
Butylbenzylphthalate	50,000	ND	ND	ND	160 J	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	224 or MDL	810	140 J	71 J	1,200 J	640	450 J	330 J	ND	540 J	180 J
Chrysene	400	950	160 J	110 J	1,600 J	760	460	400 J	73 J	680 J	220 J
Bis(2-Ethylhexyl)phthalate	50,000	150 J	71 J	95 J	450 J	120 J	690	700 J	160 J	160 J	220 Ј
Di-n-octylphthalate	50,000	ND	ND	ND	ND	ND	79 J	ND	ND	ND	ND
Benzo(b)fluoranthene	1,100	1,200	200 J	130 J	3,000 J	980	500 J	530 J	93 J	1,100 J	330 J
Benzo(k)fluoranthene	1,100	500 J	72 J	54 J	1,100 J	280 J	190 J	160 J	ND	430 J	100 J
Benzo(a)pyrene	61 or MDL	810	130 J	82 J	1,700 J	620	350 J	310 J	50 J	680 J	180 J
Indeno(1,2,3-cd)pyrene	3,200	350 J	57 J	ND	940 J	320 J	150 J	170 J	ND	310 J	110 J
Dibenz(a,h)anthracene	14 or MDL	120 J	ND	ND	400 J	120 J	57 J	77 J	ND	120 J	ND
Benzo(g,h,I)perylene	50,000	330 J	52 J	ND	910 J	340 J	150 J	150 J	ND	330 J	130 J

Notes:

ND: Compound not detected.

NS: No Standard.

MDL: Method Detection Limit.

J: Estimated Value.

# **TABLE 3-5** Surface Soil Sample Analytical Results Pesticides, PCBs and Metals

# Crouse-Hinds Landfills

	TAGM 4046	SAMPLE ID / Sample Depth (feet)												
PARAMETER	Soil Cleanup	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10			
Pesticides (ppb)	Objectives (ppb)	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')			
beta-BHC	93636666666		<u> </u>			20000000								
4.4'-DDE	200	ND	1,2 J	1.6 J	ND									
<u> </u>	2,100	9.7 PJ	2 J	ND										
4,4'-DDT	2,100	ND	ND	8.1 J	ND									
PCBs (ppb)														
Aroclor 1242	(see total)	190 PJ	14 JP	29	ND									
Aroclor 1254	(see total)	980 DJ	21 J	73	ND	ND	ND	ND	18 J	56	ND			
Aroclor 1260	(see total)	340 DJ	13 J	49	260	ND	ND	22 JP	30 J	130	ND			
Total PCBs	1,000(1)	1,510	48	151	260	ND	ND	22	48	186	ND			
Metals (ppm)	TAGM 4046 Soil Cleanup Objective (ppm)													
Selenium	2 or SB	1.2 B	ND	ND	0.79 BJ	0.63 B	ND	ND	ND	0.61 BW	ND			
Mercury	0.1	0.24	0.093	0.12	0.4 J	0.26	ND	0.099	ND	0.089	ND			
Arsenic	7.5 or SB	6,1	2.7 B	8	5.1 J	2,6 B	0.92 B	1.3 B	3,4	12,4	ND			
Barium	300 or SB	114	105	141	424 J	99.6	22 B	43.1 B	63,7	90.7	91.9			
Beryllium	0.16 or SB	0.48 B	0.41 B	0.48 B	0.56 BJ	0.55 B	0.34 B	0.2 B	0.5 B	0.76 B	0.51 B			
Cadmium	1 or SB	17.4	ИD	6.3 *	33.6 Ј	173	ND	0.27 B	ND	2.4	ND			
Chromium	10 or SB	106	16.7	35.5	83,6 J	196	8,6	13.9	21.8	21.8	175			
Cobalt	30 or SB	7.4 B	10.8 B	12.9 B	9.6 BJ	3.8 B	2.1 B	4.3 B	4.3 B	5.9 B	7.5 B			
Copper	25 or SB	116	27.9	63.3	217 J	440	14.9	26,4	60.1	330	117			
Iron	2,000 or SB	17,900	18,500	25,300	37,400 J	21,200	8,590	14,000	21,400	17,100	60,500			
Lead	SB (2)	87.7	82.2	37.6 *	294 J	96.5	9.4 *	39.1	55.6	165	48.7			
Nickel	13 or SB	31.8	24.7	41	37.2 Ј	19.7	13.5	11.9	19	17.7	91.2			
Silver	SB	4.1 NJ	ND	1.4 BNJ	2.6 BNJ	1.6 BNJ	ND	ND	ND	ND	ND			
Vandium	150 or SB	16.5	16.7	19.9	37.5 J	11.6 B	3.4 B	7.8 B	9.2 B	15.9	19.6 B			
Zinc	20 or SB	433 EJ	108 EJ	187 N*J	1,670 EJ	1,820 EJ	56 N*J	273 EJ	508 EJ	290 EJ	647 J			
Total Cyanide	NS (3)	ND	ND	ND	7.8 NJ	49 NJ	ND	ND	2,2 J	ND ND	ND			

ND: Compound not detected.

NS: No Standard,

MDL: Method Detection Limit.

SB: Site Background,

(1): Cleanup objective for surface soils.

(2): Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.

(3): Some forms of Cyanide are complex and very stable while other forms are pH dependent and hence are very unstable. Site-specific form(s) of Cyanide should be taken into consideration when establishing soil cleanup objective.

1,200

Analyte detected at concentration in excess of NYSDEC TAGM 4046 recommended soil cleanup objective.

#### Organic Data Qualifers:

- J: Estimated Value,
- D: Identified in analysis at secondary dilution factor,
- P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged. Inorganic Data Qualifers:
- E: Estimated value due to interferences.
- J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N: Spike sample recovery not within quality control limits.
- \*: Analysis is not within quality control limits.
- W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

north landfill (SS-6 to SS-8 and SS-10) where industrial fill, which contained foundry sand, was present. Samples from areas across the south landfill (SS-1 to SS-5) where municipal fill was present did not contain phenolic compounds. Distribution of the remaining SVOCs detected showed no discernible pattern across the Site.

- Pesticides were detected in three surface soil samples (SS-1 to SS-3) located across the south half of the south landfill at concentrations below TAGM 4046 recommended soil cleanup objectives. Pesticides were not detected in surface soil samples located across the remainder of the south landfill or the north landfill.
- PCBs (total) were detected in one surface soil sample (SS-1), which is located near Ley Creek, at a concentration in excess of TAGM 4046 recommended soil cleanup objectives. PCBs were detected in 6 additional surface soil samples; however, concentrations were below soil cleanup objectives. No discernable pattern of distribution across the Site was observed. The presence of PCBs at the Site may be attributed to the historic flooding of Ley Creek, which contains PCB contaminated sediments.
- A minimum of four metals were detected in all surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives.
   No discernable pattern of distribution across the Site was observed.
- Cyanide was detected in three surface soil samples (SS-4, SS-4 and SS-8).
   However, since there is no established TAGM 4046 recommended soil cleanup objective for cyanide, an evaluation of the impact to the Site could not be made.

#### 3.4.3 Sediment Analytical Results

Analytical results for sediment samples are presented on Tables 3-6 and 3-7. A review of the analytical data for sediment samples (SED-1 to SED-5) collected at five locations along Ley Creek indicated the following.

VOCs and SVOC were detected in all sediment samples; however, all
concentrations were below NYSDEC sediment screening values. Concentrations
of VOCs and SVOCs in upstream sample (SED-4) and downstream samples

TAL 3-6
Sediment Sample Analytical Results
VOCs and SVOCs
Crouse-Hinds Landfills

	Human Health	Benthic Aquatic	Benthic Aquatic	Wildlife		SAM	PLE ID / Sa	mple Depth	(feet)	
PARAMETER	Bioaccumulation Criteria (ppb)	Life Acute Toxicity (ppb)	Life Chronic Toxicity (ppb)	Bioaccumulation (ppb)	SED-1 (0' - 0.5')	SED-2 (0' - 0.5')	SED-3 (0' - 0.5')	SED-4 (0' - 0.5')	SED-5 (1) (0' - 0.5')	SED-6 (0' - 0.5')
Volatile Organic Compounds (ppb)										
Acetone	NS	NS	NS	NS	64	80	39	59	31	150
2-Butanone	NS	NS	NS	NS	15 J	26	10 Ј	9 J	6 J	34
Toluene	NS	235,000	49,000	NS	ND	60	ND	ND	ND	7 J
Chlorobenzene	NS	50,000	34,600	NS	ND	ND	ND	22	ND	ND
1,4-Dichlorobenzene	NS	NS	NS	NS	ND	ND	ND	6 J	ND	ND
Semi-Volatile Organic Compounds (ppb)										
Naphthalene	NS	258,000	30,000	NS	ND	94 J	ND	ND	ND	ND
2-Methylnaphthalene	NS	304,000	34,000	NS	ND	81 J	ND	ND	ND	ND
Acenaphthene	NS	NS	140,000 E	NS	120 J	160 J	93 J	63 J	ND	ND
Dibenzofuran	NS	NS	NS	NS	ND	85 J	ND	ND	ND	ND
Fluorene	NS	73,000	8,000	NS	120 Ј	170 J	96 J	80 J	72 Ј	ND
Phenanthrene	NS	NS	120,000 E	NS	1,400	2,400	1,300	1,200	970	570 J
Anthracene	NS	986,000	107,000	NS	240 J	410 J	230 J	200 J	180 J	97 J
Fluoranthene	NS	NS	1,020,000 E	NS	2,500	4,300	2,700	2,000	1,900	1,000
Pyrene	NS	8,775,000	961,000	NS	5,300 J	9,900 D	5,100 J	4,300 J	3,600 J	1,700 J
Butylbenzylphthalate	NS	NS	NS	NS	85 J	100 J	100 J	93 J	74 J	ND
Benzo(a)anthracene	NS	94,000	12,000	NS	1,400 J	2,200 J	1,300 J	1,100 J	960 J	520 J
Chrysene	1,300	NS	NS	NS	2,000 J	3,200 J	1,800 J	1,600 J	1,200 J	700 J
Bis(2-Ethylhexyl)phthalate	NS	NS	199,500	NS	1,600 J	1,700 J	1,300 J	720 J	790 J	250 J
Di-n-octylphthalate	NS	NS	NS	NS	ND	110 J	ND	ND	ND	ND
Benzo(b)fluoranthene	1,300	NS	NS	NS	3,500 J	5,000 J	3,000 J	2,500 J	1,900 J	1,000 J
Benzo(k)fluoranthene	1,300	NS	NS	NS	1,300 J	1,700 J	890 J	780 J	740 J	330 J
Benzo(a)pyrene	1,300	NS	NS	NS	1,900 J	2,900 J	1,600 J	1,400 J	1,200 J	630 J
Indeno(1,2,3-cd)pyrene	1,300	NS	NS	NS	920 J	1,500 J	790 J	810 J	650 J	400 J
Dibenz(a,h)anthracene	NS	NS	NS	NS	290 J	470 J	290 J	280 J	290 J	180 J
Benzo(g,h,I)perylene	NS	NS	NS	NS	830 J	1,500 J	770 J	840 J	680 J	390 J

#### Notes:

ND: Compound not detected.

NS: No Standard.

J: Estimated Value.

D: Identified in analysis at secondary dilution factor.

(1): SED-5 is a duplicate sample of SED-3.

E: EPA Proposed sediment quality criterion for the protection of benthic organisms.

#### TA 3-7

#### Sediment Sample Analytical Results Pesticides, PCBs and Metals Crouse-Hinds Landfills

	Human Health	Benthic Aquatic	Benthic Aquatic	Wildlife	SAMPLE ID / Sample Depth (feet)								
PARAMETER	Bioaccumulation Criteria (ppb)	Life Acute Toxicity (ppb)	Life Chronic	Bioaccumulation	SED-1	SED-2	SED-3	SED-4	SED-5 (1)	SED-6			
Pesticides (ppb)	cincina (ppb)	Toxicity (ppo)	Toxicity (ppb)	(ppb)	(0' - 0.5')	(0' - 0.5')	(0' - 0.5')	_(0' - 0.5')	(0' - 0.5')	(0' - 0.5')			
gamma-BHC (Lindane)	***************************************	<u> </u>											
PCBs (ppb)	NS	NS	NS	NS	ND	ND	ND	37 P	39 P	ND			
Aroclor 1242													
	0.8	2,760,800	19,300	1,400	44,800 DJ	3,000 DJ	2,900 DJ	2,200 DJ	2,700 DPJ	930 DJ			
Aroclor 1254	0,8	2,760,800	19,300	1,400	1,100 DJ	1,200 DJ	1,600 DJ	1,200 DJ	1,600 DJ	770 DJ			
Aroclor 1260	0.8	2,760,800	19,300	1,400	220 J	260 J	250 J	180 J	250 J	150 J			
Total PCBs	0,8	2,760,800	19,300	1,400	3,120	4,460	4,750	⇒3,580 ↔	4,550	::::1,850:::::			
TOTAL ORGANIC CARBON	NS	NS	NS	NS	70,700	52,300	51,700	53,100	57,800	69,300			
Metals (ppm)	Lowest Effect Level (ppm)	Severe Effect Level (ppm)											
Selenium	NS	NS			ND	ND	ND	ND	ND	1.1 BW			
Мегсигу	0.15	1.3			0.19 J	ND	ND	0.097	0.15 J	0.26			
Arsenic	6	33			3.7 BJ	5.0 J	4.1 BJ	1.9 B	3.8 BJ	9			
Barium	NS	NS			107 J	89.9 BJ	119	82.9	99.5 J	349			
Beryllium	NS	NS			0.31 BJ	0,31 BJ	0,42 BJ	0,29 B	0.31 BJ	0.76 B			
Cadmium	0,6	9			5.2 J	2.8 J	5.7 *J	0.66 BJ	2.6 J	21.1J			
Chromium	26	110			74.2 J	78.3 J	97.9 J	49.3	72.8 J	67.3			
Cobalt	NS	NS			7.5 BJ	7.8 BJ	8,8 BJ	6.7 B	8,6 B J	6.4 B			
Copper	16	110			102 J	105 J	1200	89.1	105 J	99.1			
Iron	20,000	40,000			16,400 J	14,600 J	18,800 J	13,900	18,600 J	32,400			
Lead	31	110			80 J	80.3 J	171 ×J	80.1	10,000 J	46 *			
Nickel	16	50			33.5 J	37.7 J	45.7 J	26.7	35.8 J	40.8			
Silver	1	2			2.6 BNJ	::2.4 BNJ::	3 BNJ	20.7 2.4 BNJ	2.6 BNJ	*			
Vandium	NS	NS			16.6 BJ	18 BJ	20.4 BJ	15.1 B	19.1 BJ	20.2			
Zinc	120	270			358 EJ	363 EJ	20.4 BJ	274 EJ	:::326 EJ:::	20.2 :: 405:N*J::			
Total Cyanide	NS	NS			ND	ND	ND	ND	ND	ND			
Notes:	ND: Compound not		NS: No Standard.	h	1	a duplicate sam		L ND	עוגו	I IND			

Analyte detected at concentration in excess of Human Health Bioaccumulation Criteria.

1,200

Analyte detected at concentration in excess of Human Health and Wildlife Bioaccumulation Criteria.

1,200

Analyte detected at concentration in excess of lowest effect level.

1,200

Analyte detected at concentration in excess of severe effect level.

#### Organic Data Qualifers:

J: Estimated Value.

- D: Identified in analysis at secondary dilution factor.
- P: Used for pesticide/Aroclor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged. Inorganic Data Qualifers:
- E: Estimated value due to interferences.
- \*: Analysis is not within quality control limits.
- N: Spike sample recovery not within quality control limits.
- J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

- (SED-1 to SED-3 and SED-6) showed no discernable differences in concentrations or distribution along Ley Creek.
- One pesticide (gamma-BHC) was detected in the upstream sediment sample (SED-4) at a concentration below NYSDEC sediment screening values.
   Pesticides were not detected in the downstream sediment samples.
- PCB Aroclors 1242, 1254 and 1260 were detected in all sediment samples. Concentrations of Aroclor 1242 exceeded the human health and wildlife bioaccumulation screening values for all samples with the exception of SED-6. Concentrations of Aroclor 1254 exceeded the human health bioaccumulation screening values for all samples, and the wildlife accumulation criteria for one sample (SED-3). Concentrations of Aroclor 1260 exceeded the human health bioaccumulation screening values for all samples. Concentrations of total PCBs exceeded the human health and wildlife bioaccumulation screening values for all samples. Concentrations of PCBs detected in sediment samples at upstream and downstream locations were similar in concentration and showed no discernable differences in concentration between any of the sampling locations. Note: PCB impacts in sediment have been documented in Ley Creek during sediment sampling activities conducted by others in 1996 and 1997. The PSA results will be compared to these data that were generated by others in Section 4.0 of this report.
- A minimum of seven metals were detected in all sediment samples at
  concentrations which exceeded sediment-screening values for lowest and severe
  effect levels. Concentrations of metals detected in sediment samples at upstream
  and downstream locations were similar in concentration and showed no
  discernable differences in concentration between any of the sampling locations.
- Cyanide was not detected in any sediment sample.

### 3.4.4 Surface Water Analytical Results

Analytical results for surface water samples are presented on Table 3-8. A review of the analytical data for surface water samples collected at four locations along Ley Creek (SW-1 to SW-4) indicated the following.

#### TABLE 3-8

#### Surface Water Sample Analytical Results VOCs, SVOCs, Pesticides, PCBs and Metals Crouse-Hinds Landfills

	NYSDEC Class C	SAMPLE ID									
PARAMETER	Surface Water Standard (ppb)	SW-1	SW-2	SW-3	SW-4	SW-5 (2)	L-1 *	L-2 *			
Volatile Organic Compounds (ppb)											
Acetone	NS	ND	ND	ND	ND	ND	12	ND			
Benzene	10	ND	ND	ND	ND	ND	ND	2 J			
Toluene	6,000	ND	ND	ND	ND	ND	ND	2 Ј			
Chlorobenzene	400	ND	ND	ND	ND	ND	2 J	ND			
Total-1,2-Dichloroethene	NS	4 J	5 J	73	7 J	7 Ј	ND	ND			
Semi-Volatile Organic Compounds (ppb)					111111111111111111111111111111111111111						
Di-n-butylphthalate	NS	ND	ND	2.Ј	4 J	12 J	4 J	ND			
Bis(2-Ethylhexyl)phthalate	1	3 J	8 J	3 J	3 J	7 Ј	4 J	23			
Benzo(b)fluoranthene	NS	ND	4 J	ND	1,1	ND	ND	ND			
Total Phenois	5	ND	ND	ND	ND	ND	49	40			
Pesticides (ppb)				7777777							
gamma-BHC (Lindane)	NS	0,02 JP	ND	ND	0.03 J	0.01 J	ND	ND			
PCBs (ppb)						3.3.3.3.3.3					
Aroclor 1242	0.000001	ND	ND	ND	0,86	ND	ND	ND			
Total PCBs	0.000001	ND	ND	ND	0.86	ND	ND	ND			
Metals (ppm)								1000000			
Selenium	5	1.4 BS	I.8 BW	ND	1,3 BW	ND	ND	2.5 BW			
Mercury	0,0007	ND	ND	ND	ND	ND	ND	ND			
Arsenic	150	3,4 B	ND	ND	4.7 B	ND	14.4	3.2 B			
Barium	NS	151 B	142 B	106 B	174 B	106 B	739	83.6 B			
Beryllium	11	ND	ND	ND	ND	ND	ND	ND			
Cadmium	NS (1)	ND	1.1 B	ND	IВ	ND	50.6	ND			
Chromium	NS (1)	9.5 B	18,8	2.8 B	30,4	2.2 B	15.8	ND			
Cobalt	5	3.6 B	ND	ND	4,6 B	ND	7 B	ND			
Copper	NS (1)	17.6 B	34.1	6.1 B	60,2	6.2 B	63	9.1 B			
Iron	300	4,460	5,700	994	11,000	958	78,200	14,300			
Lead	NS (1)	22.8	38.8	11.3	84.2	11.9	51,6	9,2			
Nickel	NS (I)	9,1 B	11.6 B	4.3 B	26.1 B	4.3 B	15,7 B	5.3 B			
Silver	0.1	ND	ND	ND	ND	ND	ND	ND			
Vandium	14	4.5 B	7 B	ND	13.1 B	ND	4.8 B	ND			
Zinc	NS (1)	76.4	137	12.8	298	12.1	1,360	39,2			
Total Cyanide	9,000	ND	ND	ND	ND	ND	0.019	ND			

#### Notes:

ND: Compound not detected.

NS: No Standard.

1,200 Analyte detected at concentration in excess of NYSDEC Class C Surface Water Standard.

#### Organic Data Qualifers:

J: Estimated Value.

#### Inorganic Data Qualife

P: Used for pesticide/Aroelor target analyte when there is 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged.

<sup>(1):</sup> No standard. The Standard is calculated based on total hardness, which was not analyzed. Therefore, a standard could not be calculated.

<sup>(2):</sup> SW-5 is a duplicate sample of SW-3.

<sup>\*:</sup> Standard not applicable. Samples collected from onsite drainage ditches and not a Class C stream. No standard for leachate.

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit,

S: Value determined by Method of Standard Addition,

W: Post digestion spike for furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.

- One VOC (total 1,2-Dichloroethene) was detected in all samples at low concentrations. However, since there is no established NYSDEC Class C surface water standard for this analyte, an evaluation of the impact to surface water could not be made.
- One SVOC (Bis (2-Ethylhexyl) phthalate) was detected in all surface water samples at a concentration slightly in excess of the NYSDEC Class C surface water standard. However, this analyte was not detected above applicable standards in either surface soil or groundwater samples. Other SVOCs were detected in the surface water samples; however, concentrations were below the applicable surface water standards. Concentrations of SVOCs detected in upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek.
- One pesticide (gamma-BHC) was detected in the upstream (SW-4) and downstream (SW-1) surface water samples at low concentrations. However, since there is no established NYSDEC Class C surface water standard for this analyte, an evaluation of the impact to surface water could not be made.
- PCBs (Arochlor 1242) were detected in the upstream surface water sample (SW-4) at a concentration in excess of the NYSDEC Class C surface water standard.
   PCBs were not detected in the downstream surface water samples (SW-1 to SW-3); therefore, the source of PCBs in surface water is upstream of the Site.
- One metal (iron) was detected in all surface water samples at concentrations in
  excess of the NYSDEC Class C surface water standard. Other metals were
  detected in all of the surface water samples; however, concentrations were below
  the applicable surface water standards. Concentrations of metals detected in the
  upstream surface water sample (SW-4), generally were higher than those detected
  in the downstream surface water samples (SW-1 to SW-3).
- Cyanide was not detected in any surface water sample.

#### 3.4.5 Leachate Analytical Results

Analytical results for leachate samples are presented on Table 3-8. A review of the analytical data for leachate samples collected at two locations (L-1 and L-2) onsite indicated the following.

- VOCs, SVOCs and metals were detected in both leachate samples. However, because there is no applicable surface water standard available for these samples, an evaluation of the impact could not be made. Note: Phenols were detected in both leachate samples. Phenols were detected in areas where industrial fill (foundry sand) was located; therefore, the presence of phenols in these waters suggests that phenols may be leaching from the site. However, no phenols were detected in the surface water samples from Ley Creek.
- Pesticides, PCBs and cyanide were not detected in any leachate sample.

## 3.4.6 Groundwater Analytical Results - Shallow Aquifer

Analytical results for groundwater samples collected from the shallow aquifer (W-1S, W-2S, W-3S, MW-1N, MW-2N, MW-3N, MW-4A, MW-6A, MW-8A, MW-9A, MW-10 and MW-11A) are presented on Table 3-9. A review of the analytical data indicated the following.

• A minimum of one VOC was detected in five of the twelve shallow groundwater samples (MW-1N, MW-2N, MW-4A, MW-6A and MW-11A) at concentrations in excess of NYSDEC Class GA groundwater standards. VOCs were detected in four of the remaining seven shallow groundwater samples (MW-3N, MW-8A, MW-9A and W-2S); however, concentrations of all detected VOCs were below applicable groundwater standards. Groundwater impacted with VOCs above applicable standards was present in wells located along the western side and in the northeast corner of the north landfill (Figure 3-2). Monitoring wells located in these areas are downgradient of the north landfill and along defined groundwater

T/9 Groundwater Samp-Analytical Results VOCs, SVOCs, Pesticides, PCBs and Metals

Crouse-Hinds Landfills

	NYSDEC Class GA	SAMPLE ID  North Landfill South Landfill																				
	Groundwater	MW-1N	MW-2N	MW-3N	MW-4A	MW-4B	MW-5	MW-6A	MW-6B	orth Landf MW-7	MW-8A	MW-8B	MW-9A	MW-9B	34337.40	D # 2321 4 # 1	3 4337 4 2 55				Landfili	·T
PARAMETER	Standard (ppb)	Skallow Well	Shallow Well	Shellow Well	Shallow Well	Deep Well	Deep Wall	Shallow Well	Doep Well	Doep Well	Shallow Well	Doep Well	Shallow Well	Deep Well	MW-10 Shallow Well	MW-11A	MW-11B	MW-12 (1)	MW-13 (1)	W-1S Shellow Well	W-2S	W-3S
Volatile Organie Compounds (ppb)													Lucillo And	Desp waz	Mariem wett	Station Acti	Doep was	2.23.22	· · · · · · · · · · · · · · · · · · ·	Shallow Well	Shallow Wall	Shallow Wel
Chloroethane	5	190 D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**************************************	
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND	ND		ND	ND
Acetone	50	23 JD	ND	10 J	22	ND	ND	37 J	ND	ND	7 J	ND	87	ND	ND	110	ND	ND		ND	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	1.1	4 J ND	ND ND	4J ND	ND
Benzene	1	6 JD	6 J	ND	3 J	ND	ND	10 J	ND	ND	ND	ND	ND	ND	ND	6 J	ND	63	ND	ND	ND	ND
Toluene	5	ND	ND	1.J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND ND	ND	ND
Chlorobenzene	5	32 JD	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	9 J	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND			ND
1,4-Dichlorobenzene	3	3 J	8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<del></del>	<del></del>	ND	ND	ND
1,2-Dichlorobenzene	3	2 J	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8 J	ND	ND	ND	ND
Semi-Volatile Organic Compounds (ppb)				100000	33.55								UND	ND	ND	ND		2 J	ND	ND	ND	ND
Naphthalene	10	ND	5 J	ND	ND	ND	1 J	ND	2 Ј	ND	ND	ND	ND	3 J	ND		24 (24 (34 (34 (34 (34 (34 (34 (34 (34 (34 (3	<u>  10000000</u>	<u> </u>			<u> parasas</u>
2-Methylnaphthalene	NS	2 J	2 Ј	ND	ND	ND	11	ND	13	ND	ND	ND	ND	<del> </del>	ND	1 J	ND	4 J	ND	ND	ND	ND
Acenaphthene	20	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J ND	ND	I J ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	ND	ND	ND	ND	ND	ND	73 J	ND	ND	ND	ND	ND	ND				ND	1 J	ND	ND	3 J
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND ND	11	ND	ND	ND	ND	ND	מא
Fluoranthene	50	ND	ND	ND	ND	ND	ND	85 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	ND	ND	ND	ND	ND	ND	97 J	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND
Bis(2-Ethylhexyl)phthalate	5	ND	4 J	ND	ND	ND	ND	ND	ND	ND	1.J	ND	ND	ND	ND	ND	ND	4 J			ND	ND
Total Phenois	I	1,360	10	ND	15	ND	39	27	ND	ND	12	ND	16	ND	13	36	ND		3 J ND	ND ND	ND	33
Pesticides (ppb)	34.04.04.440.44.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			10	<del></del>		20	15
PCBs (ppb)	0.0000000000000000000000000000000000000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND
Metals (ppb)					(1)		<del></del>	444	2000000	112	300000	112	110	145	ND	ND		L	UND	ND	תא	IND
Mercury	0,7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**************************************	********	ND
Arsenic	25	ND	ND	25.0	7.4 B	18,3 B	2.0 B	7,2 B	5.7 B	4.9 B	2.7 B	17.1 B	5.6 B	9.7 B	3.2 B	2.3 B	8.0 B	ND	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ND	ND	
Barium	1,000	148 B	254,0	1,010	133 B	27.3 B	46,8 B	60.6 B	27.7 B	29.5 B	173.0 B	24.4 B	1,170	24,0 B	232.0	127,0 B	24.7 B	244,0	28.1 B 73.8 B	ND	ND	17.6 B 65.4 B
Beryllium	3	0,79 B	0,31 B	1,3 B	2.4 B	3.0 B	ND	ND	0,74 B	1.3 B	ND	5.8 B	1.7B	24.0 B	ND ND	ND	1,0 B	ND ND		126,0 B	2,350.0	
Codmium	5	ND	ND	6.4	1.6 B	1,1 B	ND	0,55 B	ND	ND	ND	2.2 B	1.7.B	ND	ND	ND	ND	ND	5.2 B ND	0.36 B	1.3 B	4.6 B ND
Chromium	50	5,1 B	1.8 B	9.4 B	5.5 B	4.9 B	2.1 B	85.6	2.5 B	5,4 B	2,3 B	6,5 B	3,8 B	3,3 B		4.6 B	4.2 B	1,2 B		ND	ND	
Cobalt	NS	4.5 B	7.4 B	6.5 B	6,2 B	9.4 B	2.7 B	ND	4.9 B	10.0 B	3,3 B	11.9 B	10,4 B	8.2 B	9.4 B 5.2 B	4.4 B	8.0 B	5.8 B	10.0 B	2.8 B	4.2 B	8.9 B
Copper	200	2.8 B	ND	91.4	8.4 B	14.9 B	1.7 B	11.2 B	3.7 B	15.2 B	1.8 B	20.8 B	10,4 B	13.5 B	9.1 B	2.5 B	9.1 B	6.2 B	21.9 B	3.8 B	8.1 B	20,0 B
Iron	300	21,800 NJ	53,900 NJ	29,800 NJ	14,200 NJ	4,870 BJ	716 NJ	1,550 NJ	3,030 NJ	6,070 NJ	2,040 NJ	3,890 NJ	12,700 NJ	7,070 NJ	12,400 NJ	10,000 NJ	5,260 NJ	52,400 NJ	31.8 B	3.4 B	12,0 B	53.6 B
Lead	25	8,6	9.7 NJ	351 NJ	7.3	5,8 B	ND	5.5	1.6 B	ND	ND	7.8 BNJ	^						17,100 NJ	3,100 NJ	16,600 NJ	
Nickel .	100	2.3 B	29,4 B	7.0 B	6.0 B	ND	ND	6,0 B	ND	ND	ND	6.6 B	2.3 B 5.4 B	ND ND	5.1 27.0 B	2.9 BNJ 2.3 B	ND	9.2 NJ	11,2 B	3,9 B	ND	ND
Selenium	10	10,6	14.3 NJ	22.3 N.J	18.5	ND	ND	9.6 B	9.1 B	ND	ND	20.8 NJ	ND ND	ND	27.0 B ND	ND ND	ND	28.5 B	ND	ND	ND	ND
Silver	50	ND	2,6 BJ	3,1 BNJ	ND	12.8 BNJ	ND	ND	5.0 BNJ	8.0 BNJ	ND	9.3 BNJ	7.2 BNJ	10,3 BNJ		ND	10.2 BJ	14.3 NJ	49.0 B	10.3	ND	ND
Vandium	NS	ND	ND	9.7B	4.2 B	ND ND	ND	3.2 B	ND ND	ND ND	ND	9.3 BNJ 5.5 B	ND ND	ND ND	ND	ND	ND	ND ND	28.1 BNJ	2.7 BNJ	7,9 BNJ	22.4 BN
Zinc	2,000	19,9	13.3 B	2,650.0	13.9 B	29.7 B	8.3 B	43,9	10.8 B	39.8 B	8.2 B	39,3 B	107	32,8 B	4,4 B 5,160	13.0 B	42.6	14.5 B	ND	ND	ND	ND
Total Cyanide	200	ND	ND	ND	ND	ND ND	ND	ND	ND	ND ND	ND ND	ND ND	ND ND	32,8 B	5,160 ND	ND ND	42.6 ND	ND	111,0 ND	16.4 B ND	37.4 B ND	132.0 ND

ND: Compound not detected.

NS: No Standard,

Analyte detected at concentration in excess of NYSDEC Class GA Groundwater Standard

(1): MW-12 is a Duplicate of MW-2N and MW-13 is a Duplicate of W-1S.

Organic Data Qualifers; J: Estimated Value,

B: Analyte detected in blank as well as in the sample.

D; Analyte detected in analysis at secondary dilution factor,

Inorganic Data Qualifers:

J or B: Value greater than or equal to the instrument detection limit, but less than the quantitation limit. N: Spike sample recovery not within quality control limits.

- flow paths. Shallow groundwater across the south landfill was not impacted by VOCs.
- SVOCs (primarily phenol) were detected in all of the shallow well groundwater samples, with the exception of W-1S and MW-3N, at concentrations in excess of NYSDEC Class GA groundwater standards. Phenols were not detected in samples W-1S and MW-3N. Phenol was detected in all samples where groundwater standards were exceeded at concentrations slightly (10 times standard) to significantly (1,360 times standard) above NYSDEC Class GA groundwater standards. In addition to phenol, three additional SVOCs were detected in sample MW-6A at concentrations above groundwater standards. The presence of the additional SVOCs in sample MW-6A may be related to the presence of floating free phase petroleum residuals, which were detected in the well during sampling and the well inspection survey. SVOCs were not detected in samples W-1S and MW-3N.
- Pesticides, PCBs and cyanide were not detected in any shallow groundwater samples.
- A minimum of one metals was detected in all of the shallow groundwater samples
  at concentrations in excess of NYSDEC Class GA groundwater standards. Metals
  detected in shallow groundwater beneath the Site showed no discernable
  differences in concentrations or distribution.

## 3.4.7 Groundwater Analytical Results - Deep Aquifer

Analytical results for groundwater samples collected from the deep aquifer (MW-4B, MW-5, MW-6B, MW-7, MW-8B, MW-9B, and MW-1BA) are presented on Table 3-9. A review of the analytical data indicated the following.

 VOCs were not detected in any deep groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Overall, only one VOC (carbon disulfide) was detected in one groundwater sample (MW-9B) at a minimal estimated concentration of 1 ppb.

- One SVOC (phenol) was detected in one deep groundwater sample (MW-5) at a
  concentration in excess of the NYSDEC Class GA groundwater standard. SVOCs
  were detected in two other samples (MW-6B and MW-9B); however,
  concentrations were below groundwater standards.
- Pesticides, PCBs and cyanide were not detected in any deep groundwater samples.
- Metals (primarily iron) were detected in all of the deep groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Metals detected in deep groundwater beneath the Site showed no discernable differences in concentrations or distribution.

#### 3.5 FWIA RESULTS

The FWIA is presented in Attachment 4. A summary of findings presented in the FWIA indicated the following.

- The aquatic habitats located on the Site consist of emergent wetlands, one of
  which contains open water, and several drainage ditches. Ley Creek is located
  offsite and adjacent to or near the west side of the Site.
- The fishery resources are limited to Ley Creek, the open water within one
  wetland, and drainage ditches that convey water from the wetlands to Ley Creek.
  However, no fish species were observed in any of the aquatic habitats located on
  the Site. In addition, NYSDEC records indicate that Ley Creek, located adjacent
  to or near the Site, is a poor fishery due to existing impacts and degradation.
- The fishery resources of the Site are limited and have no value to humans. The other known fishery resource is Ley Creek, which is located adjacent to or near the west side of the Site. This resource is impacted and does not appear to support a viable population of fish that would be of interest to fisherman. Even if the creek supported a reproducing population of game fish, public access to the creek is limited. Therefore, Ley Creek has somewhat limited value to humans.

- The Site and surrounding area provides a small mosaic of wildlife habitats, which include old fields, shrub uplands, deciduous forests, and wetlands.
- The majority of wildlife species that occur in the area are those that find suitable habitat in relatively small, patchy blocks of one vegetation cover type (e.g., deer, rabbit, wild turkeys, etc). Given the surrounding land use is highly developed, the Site acts as a green area in an area relatively devoid of wildlife species. The Site is used by resident wildlife species and by birds during migrational periods.
- The primary value of wildlife to humans would be as a resource to bird watchers in other areas besides New York State.

#### 4.0 SUMMARY AND CONCLUSIONS

This section summarizes the results of the PSA and presents conclusions supported by the data and recommendations for additional work, which may be required to fill data gaps.

#### 4.1 SOIL INVESTIGATION

The results obtained for soil investigation activities conducted during the PSA indicated the following.

- Industrial fill material consisting primarily of foundry sand with miscellaneous amounts of foundry core butts, foundry molds, metal debris, wood debris, and miscellaneous industrial debris was encountered from grade to depths of greater than 15 feet below grade in test pits located across the north landfill. This material generally exhibited an oily nature (degraded oily odor and oily appearance). Cover material on top of the fill material consisted of a thin organic layer that supported a vegetative cover. The thickness of industrial fill observed across the southern half of the north landfill (TP-1, TP-2, TP-3 and TP-8) ranged between 3 feet (TP-8) and 11.5 feet (TP-1). Materials underlying the industrial fill generally consisted of peat deposits (TP-1, TP-2 and TP-3) and clay (TP-8). The thickness of fill material observed beneath the northern half of the north landfill (TP-4, TP-5, TP-6, TP-7, TP-9, TP-10, and TP-11) varied between 9 feet and greater than 15 feet. Materials underlying the industrial fill material located across this portion of the landfill consisted of peat deposits (TP-4 and TP-11) along with sand and gravel deposits (TP-5, TP-6, and TP-7).
- Material consisting of industrial fill (TP-12 and TP-16) and municipal fill (TP-13, TP-14, TP-15, TP-17, TP-18, and TP-19), which consisted of paper, glass bottles, plastic, wood, metal cans, metal debris, and general municipal refuse was encountered from grade to depths of greater than 15 feet below grade in test pits located across the south landfill. The industrial fill material generally exhibited an oily nature (degraded oily odor and oily appearance). Cover material on top of the fill material consisted of a thin organic layer that supported a vegetative cover.

The thickness of the industrial and municipal fill material observed across the south landfill varied between 7 feet and greater than 15 feet. The thickness of fill materials observed in the central area of the landfill (TP-13, TP-16, and TP-17) was generally several feet greater (11.5 feet to 15+ feet) than that observed in test pits located along the perimeter (TP-12, TP-14, TP-15, TP-18 and TP-19) of the landfill (8 feet to 11 feet). Delineation of areas of industrial fill versus areas of municipal fill was not possible given the expanse of the fill mass. Mixing of materials was not observed. Materials underlying the fill material beneath the landfill generally consisted of peat deposits, with the exception of silt and clay deposits, which were encountered in the area of TP-19.

- The horizontal limits of the fill material located across the Site were not defined during the PSA. Field observations along with soil boring data indicate that fill materials located across the Site extend beyond the areas where test pits and soil borings were located. Observations indicate that the western extent of waste mass on the south landfill is likely defined by the presence of Ley Creek along or near the western border of the landfill. The presence of wetlands and areas of low-lying ponded water at the base of defined fill slopes along the majority of east and south sides of south landfill suggests that the waste mass may not extend a significant distance beyond the base of observed fill slopes. The north and south landfills are bisected by Seventh North Street, which is assumed to approximate the extent of fill on both landfills. The presence of wetlands and generally defined fill slopes along the northern and eastern borders of the north landfill suggest that the waste mass may not extend a significant distance beyond the base of the observed fill slopes. The extent of the waste mass along the west side of the north landfill is unknown.
- The vertical limits of fill materials located across the majority of the Site were defined during the PSA. Field observations indicated that the thickness of the industrial fill across the north landfill was greater across the northern half of the landfill, where mounding of fill was evident, versus the southern half of the landfill, where topography was flat. Thickness of fill material across the south landfill was determined to be greater in the interior of the landfill where mounding was evident with respect to the surrounding topography.

- Soil borings and test pits installed across the Site confirmed the presence of several distinct geologic units and two aquifers (shallow and deep) beneath the Site, which had also been identified by others during previous hydrogeologic investigations at the Site. The units observed consisted of a layer of fill (industrial and/or municipal) overlying peat deposits that were mixed with miscellaneous amounts of sand. The shallow water table aquifer occurred in this unit. Materials underlying the shallow aquifer consisted of a confining layer composed of a mixture of dense silt and clay, which was underlain by a water-bearing sand and gravel unit. The sand and gravel unit comprises the deep aquifer, and is under artesian conditions.
- Four VOCs were detected in one test pit sample (TP-4) at concentrations in
  excess of NYSDEC TAGM 4046 recommended soil cleanup objectives. VOCs
  were detected in all of the remaining test pit and surface soil samples; however,
  concentrations were minimal and showed no discernible pattern of distribution
  across the Site.
- A minimum of one SVOC was detected in all test pit samples, with the exception of TP-18, at concentrations in excess of TAGM 4046 recommended soil cleanup objectives. SVOCs were detected in TP-18, but at concentrations below soil cleanup objectives. Phenolic compounds were detected in all samples from test pits (TP-3 to TP-12 and TP-16) and in four of five surface soil samples collected on the north landfill (SS-6 to SS-8 and SS-10) where industrial fill containing foundry sand was present. Samples from areas where municipal fill (TP-13 to TP-15, TP-17 to TP-19 and SS-1 to SS-5) was present did not contain phenolic compounds. In addition, samples collected from test pits where industrial fill was present (TP-1 to TP-12 and TP-16) generally contained higher concentrations of SVOCs with respect to samples from test pits where municipal fill was present (TP-13 to TP-15 and TP-17 to TP-19). Based on the analytical data, the distribution of phenolic compounds in fill across the Site and the distribution of higher concentrations of SVOCs in the test pit samples across the Site appears to be related to the presence of industrial fill containing foundry sand, which appeared to contain degraded oils.

- Pesticides detected in test pit and surface soil samples were at concentrations below TAGM 4046 recommended soil cleanup objectives. Concentrations of pesticides detected were minimal and showed no discernible pattern of distribution across the Site.
- PCBs were detected in one surface soil sample (SS-1) near Ley Creek at a concentration in excess of TAGM 4046 recommended soil cleanup objectives. PCBs were detected in 6 additional surface soil samples and 16 test pit samples; however, concentrations were below soil cleanup objectives. No discernable pattern of distribution across the Site was observed. (Note: Detailed discussions with plant personnel, along with detailed file reviews, indicate that there is no known history of PCB use at the Crouse-Hinds facility. The source of detected PCBs is unknown. Crouse-Hinds personnel have stated that past flooding of Ley Creek onto the Site may be a possible source of PCBs to the Site.)
- A minimum of three metals were detected in all test pit and surface soil samples at concentrations in excess of TAGM 4046 recommended soil cleanup objectives.
   No discernable pattern of distribution across the Site was observed.
- Waste characterization analytical data for 10 soil samples collected from test pits
  indicated that concentrations of contaminants detected (metals) were below the
  maximum concentrations for the toxicity characteristic and the soil samples did
  not exhibit hazardous characteristics. Therefore, subsurface soils and materials
  across the Site were determined to be non-hazardous by nature.
- Overall, the analytical data supports the known non-hazardous waste disposal history at the Site. In areas where foundry sand and industrial fill are present, there is an occurrence of analytes (phenols, SVOCs, and metals), which are typically associated with foundry operations. Mold release oils containing phenolic compounds, SVOCs in the mold release oils, and metals from shavings, filings, and core butts can all be attributed to the known industrial wastes disposed of at the Site. In areas of the Site where municipal fill was disposed, SVOCs and metals, which are typically associated with these types of wastes, were detected.

#### 4.2 HYDROGEOLOGIC INVESTIGATION

The results obtained for hydrogeologic investigation activities conducted during the PSA indicated the following.

- A shallow water table aquifer system located in the peat and fill deposits and a deep confined groundwater flow system located in sand and gravel deposits are located beneath the Site. The deep aquifer system is separated from the overlying shallow aquifer by a continuous confining layer of silt and clay deposits of varying thickness. The deep aquifer is under artesian conditions.
- Groundwater flow in the shallow aquifer across the Site is generally to the west towards Ley Creek; however, in the northeast corner of the Site (area of wells MW-4A and MW-11A) groundwater flow direction appears to be towards the east and the wetlands that are located immediately adjacent to wells in that area of the Site. Groundwater contour and flow lines across the area of the north landfill appear to be deflected near the center of the landfill. This deflection is likely due to topography changes in the area, which are related to the presence of a fill mound to the north and a drop in thickness of the mound towards the south. The slope of the fill mound transitions to flatter areas of the Site in the central area of the north landfill, where the contour and flow deflections across the groundwater surface are most notable.
- Groundwater in the deep aquifer is under artesian conditions and exhibits an
  upward vertical gradient. Groundwater flow in the deep aquifer across the north
  landfill section of the Site is radial from the area of MW-6B to the southeast to
  northwest.
- VOCs were detected in five shallow groundwater samples (MW-1N, MW-2N, MW-4A, MW-6A and MW-11A) at concentrations in excess of NYSDEC Class GA groundwater standards. These samples were collected from monitoring wells located along the western side and in the northeast corner of the north landfill, which are downgradient of the north landfill and along defined groundwater flow paths. Groundwater samples from the deep aquifer were not impacted by VOCs.

- Phenols were detected in all of the shallow aquifer groundwater samples, with the exception of W-1S and MW-3N, and one deep aquifer groundwater sample (MW-5) at concentrations in excess of NYSDEC Class GA groundwater standards. Phenols were not detected in samples W-1S and MW-3N. Three additional SVOCs were also detected in shallow aquifer sample MW-6A at concentrations above groundwater standards. The presence of the additional SVOCs in sample MW-6A appears to be related to the presence of floating free phase petroleum residuals, which were detected in the well. Free product was not detected in any other well. The presence of phenols and SVOCs in groundwater samples from the shallow aquifer beneath the Site is consistent with the presence of these analytes in test pit soils where industrial fill was present and suggests that these compounds are leaching from the fill material to shallow groundwater. The presence of phenols in groundwater sample MW-5 from the deep aquifer suggests that the well seal is compromised, which would allow contaminants to migrate to the lower aquifer along the well casing. Leaching of phenols through an approximately 30 foot thick confining layer under artesian conditions is unlikely.
- Pesticides, PCBs and cyanide were not detected in any shallow aquifer or deep aquifer groundwater samples.
- A minimum of one metal was detected in all of the shallow and deep aquifer groundwater samples at concentrations in excess of NYSDEC Class GA groundwater standards. Metals detected in shallow and deep groundwater beneath the Site showed no discernable differences in concentrations or distribution.
- Overall, the analytical data indicate that shallow groundwater in downgradient areas of the Site is impacted by VOCs, SVOCs and metals at concentrations above applicable groundwater standards. The occurrence of these analytes in shallow groundwater suggests that the detected analytes are leaching from the fill materials contained in the landfills, where they were also detected in soil samples, to the shallow groundwater system. Leaching of these analytes to the shallow groundwater system may be enhanced since saturated fill material comprises a portion of the shallow groundwater system and also because the fill material directly overlies the saturated zone. Groundwater in the deep aquifer does not

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appear to be impacted, with the possible exception of the MW-5 area where phenols were detected in the groundwater sample above applicable groundwater standards. However, it is likely that phenols detected in sample MW-5 are due to other factors.

 To the best of our knowledge, there are no downgradient receptors for groundwater from the shallow and/or deep aquifers in the area surrounding the Site. Groundwater in the area is not used as a drinking water supply source in the area surrounding the Site. Potable water in the area is supplied by the Onondaga County Water Authority.

#### 4.3 SURFACE WATER INVESTIGATION

The results obtained for surface water investigation activities conducted during the PSA indicated the following.

- During site reconnaissance activities, an attempt was made to locate an old storm sewer that was reportedly used in the past to discharge process water from the Crouse-Hinds facility on and/or near the Site. Reconnaissance performed across the Site was unable to confirm the presence of this feature either onsite or along the banks of Ley Creek. In addition, discharges of surface water from the Site to lands located proximal to the Site and/or to Ley Creek were not observed during reconnaissance or surface water sampling activities. Along the west side of the north landfill, Ley Creek is located approximately 120 feet west of the Site's western property boundary. Along the west side of the south landfill, Ley Creek is located immediately adjacent to the western property boundary.
- Two areas were observed on the Site where the potential for the discharge of leachate could occur and/or was occurring. The first area was located near a wet area located along the base of the eastern flank of the south landfill where ponded water had collected. The second area was located near a wet area near the center of the north landfill where water was ponding and then draining in a swale to the west.

- According to USGS records for the stream gauging station located downstream of the Site, the daily mean discharge of Ley Creek on 9 June 2004 when surface water samples were collected was 24 feet<sup>3</sup>/second. This flow rate was below the mean of daily mean flow rates (25.6 feet<sup>3</sup>/second), which were measured on 9 June over the past 31 years. Based on this information it can be concluded that flow conditions in Ley Creek at the time of surface water sampling were slightly below normal.
- One SVOC (Bis (2-Ethylhexyl) phthalate) and one metal (iron) were detected in all surface water samples collected in Ley Creek at concentrations slightly in excess of the NYSDEC Class C surface water standards. Concentrations of SVOCs detected in upstream sample (SW-4) and downstream samples (SW-1 to SW-3) showed no discernable differences in concentrations or distribution along Ley Creek. However, concentrations of metals detected in the upstream surface water sample (SW-4), generally were higher than those detected in the downstream surface water samples (SW-1 to SW-3). As there were no direct discharges of surface waters to Ley Creek observed, the source of impacts to surface waters in Ley Creek cannot be attributed to the Site.
- PCBs (Aroclor 1242) were detected in the upstream surface water sample (SW-4) at a concentration in excess of the NYSDEC Class C surface water standard.
   PCBs were not detected in the downstream surface water samples (SW-1 to SW-3); therefore, the source of PCBs in surface water is attributable to areas upstream of the Site.
- VOCs, SVOCs and metals were detected in both leachate samples; however, because there is no applicable surface water standard available for leachate, an evaluation of the impacts from leachate at the Site could not be made. VOCs, SVOCs and metals detected in the leachate samples were similar to those detected in soil samples collected onsite. The presence of these analytes in the leachate suggests that they are leaching from fill material. Leachate was not observed to directly discharge to Ley Creek.
- Phenols were detected in both leachate samples, which were collected in areas
   where industrial fill was present. The presence of phenols in the leachate suggests

that phenols may be leaching from fill material located across the Site. However, phenols were not detected in surface water samples collected from Ley Creek.

#### 4.4 SEDIMENT INVESTIGATION

The results obtained for sediment investigation activities conducted during the PSA indicated the following.

PCB Aroclors 1242, 1254 and 1260 were detected in all sediment samples. Concentrations of Aroclor 1242 exceeded the human health and wildlife bioaccumulation screening values for all samples with the exception of SED-6. Concentrations of Aroclor 1254 exceeded the human health bioaccumulation screening values for all samples, and the wildlife accumulation criteria for one sample (SED-3). Concentrations of Aroclor 1260 exceeded the human health bioaccumulation screening values for all samples. Concentrations of total PCBs exceeded the human health and wildlife bioaccumulation screening values for all samples. Concentrations of PCBs detected in sediment samples at upstream and downstream locations were similar in concentration and showed no discernable differences in concentration between any of the sampling locations. PCB impacts in sediment in Ley Creek were documented in 1996 and 1997, during sampling conducted by others. Available data obtained from NYSDEC for Ley Creek and upstream tributaries establishes the presence of PCBs impacts in sediment upstream, adjacent to, and downstream of the Site (Attachment 5). Available data indicated that concentrations of PCBs in sediment upstream of the Site are higher than those detected adjacent to, and downstream of the Site. PSA sampling data indicated that PCBs were detected in soils onsite; however, concentrations were significantly lower than those detected in sediment samples in Ley Creek during the PSA. The lack of established surface water discharge pathways from the Site to Ley Creek, along with the lack of observable erosion channels across the landfills that could transport fill offsite via surface water sheet flow, and the presence of documented impacts of PCBs in Ley Creek upstream of the Site strongly suggests that the PCBs detected in sediment samples collected in Ley

Creek during the PSA are not attributable to the Site. The likely source of PCBs in the sediment samples is downstream transport of sediments in Ley Creek from documented upgradient sources of PCB contamination. In addition, the presence of PCBs in onsite soils may be attributable to the historic flooding of Ley Creek.

Metals were detected in all sediment samples at concentrations, which exceeded sediment-screening values for lowest and severe effect levels. Concentrations of metals detected in sediment samples at upstream and downstream locations were similar in concentration and showed no discernable differences in concentration between any of the sampling locations. The lack of established surface water discharge pathways from the Site to Ley Creek, along with the lack of observable erosion channels across the landfills that could transport fill offsite via surface water sheet flow suggests that the metals detected in sediment samples collected in Ley Creek during the PSA are not attributable to the Site.

#### 4.5 FWIA

The results obtained for FWIA activities conducted during the PSA indicated the following.

- The fishery resources of the Site are limited and have no value to humans. The other known fishery resource is Ley Creek, which is located adjacent to or near the west side of the Site. This resource is impacted and does not appear to support a viable population of fish that would be of interest to fisherman. Even if the creek supported a reproducing population of game fish, public access to the creek is limited. Therefore, Ley Creek has somewhat limited value to humans.
- The majority of wildlife species that occur in the area are those that find suitable habitat in relatively small, patchy blocks of one vegetation cover type (e.g., deer, rabbit, wild turkey). Given the surrounding land use is highly developed, the Site acts as a green area in an area relatively devoid of wildlife species. The Site is used by resident wildlife species and by birds during migrational periods. The primary value of wildlife to humans would be as a resource to bird watchers in other areas besides New York State.

#### 4.6 RECOMMENDATIONS

Based on findings of the PSA there are several additional investigation and sampling activities recommended to address data gaps.

- The horizontal extent of the waste mass was not fully determined during the PSA. Therefore, additional delineation of the horizontal extent of the waste mass at the Site should be conducted so that the horizontal limits of fill material can be established and mapped. As necessary, delineation should be conducted until the boundaries of the waste mass are defined, even if offsite delineation is required (if offsite access can be obtained).
- A topographic survey of the Site should be conducted so that waste mass can be
  calculated for each landfill, so surface water flow paths can be confirmed, and so
  that topographic conditions can be established. Along with the topographic
  survey, delineation of the fill boundaries, wetland features and drainage features
  should be established by survey.
- Installation and sampling of a shallow and a deep monitoring well pair are
  recommended along the north boundary of the north landfill to supplement
  groundwater flow data in an area where there is limited hydrogeologic coverage.
  Laboratory analyses should be determined based on results of the previous PSA
  sampling activities, resulting in a "short list" of target analytes.
- Installation and sampling of a shallow monitoring well is recommended in the
  center of the north landfill to establish groundwater conditions in this area of the
  Site where groundwater flow data is not available. Laboratory analyses should be
  determined based on results of the previous PSA sampling activities, resulting in a
  "short list" of target analytes.
- Previous site investigation reports indicated that groundwater flow directions vary seasonally. Collection of water level elevations from existing monitoring wells should be conducted quarterly for a period of 12 months to establish groundwater flow conditions at the Site throughout the year.

- Additional surface water samples should be collected from areas of open water and drainage ditches located on the east side of the north and south landfills to assess potential impacts to these waters.
- Sediment samples should be collected from wetland areas and drainage ditches
  located on the east side of the north and south landfills to assess potential impacts
  to sediments in these areas.
- Deep monitoring well MW-5 should be re-sampled for phenols to determine if
  phenols are persistent in the deep aquifer in the area of MW-5. In the event that
  phenols are detected in the additional sample, monitoring well MW-5 should be
  properly abandoned due to concerns regarding the integrity of well seals.
- The Site should not be considered for listing as a hazardous waste site, as all PSA data indicate that all onsite materials are non-hazardous.
- Other than the aforementioned additional fieldwork, no additional sampling is warranted at this time and an RI/FS is not considered to be necessary.
- Given the recently collected data, the Site does not appear to be a source of hazardous waste and/or hazardous substance contamination to Ley Creek and/or Onondaga Lake.

# ATTACHMENT 1 DATA USABILITY SUMMARY REPORT



· Data Validation

**Environmental Chemistry** 

Lab and Field Audits

Sampling Plans

July 26, 2004

Mr. Mark Schumacher InteGreyted International, LLC 104 Jamesville Road Syracuse, New York 13204

Re:

Data Validation Report

Cooper Project

June 2004 Sampling Event

Dear Mr. Schumacher:

The data validation summaries are attached to this letter for the Cooper Project, June 2004 sampling event. The data for STL Newburgh, STL Lab Nos. 237118 and 237194, and STL Burlington, SDG: 100771, were mostly acceptable with some issues that are identified and discussed in the validation summaries. Both STL Newburgh data packs contained data that were qualified unusable (R). The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist InteGreyted International, LLC.

Sincerely,

Alpha Environmental Consultants, Inc.

Donald Anné

Senior Chemist

DCA:dca attachments

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# **Data Validation Acronyms**

AAAtomic absorption, flame technique BHC Hexachlorocyclohexane BFB Bromofluorobenzene **CCB** Continuing calibration blank CCC Calibration check compound **CCV** Continuing calibration verification CN Cyanide CRDL Contract required detection limit CROL Contract required quantitation limit **CVAA** Atomic adsorption, cold vapor technique DCAA 2,4-Dichlophenylacetic acid **DCB** Decachlorobiphenyl **DFTPP** Decafluorotriphenyl phosphine **ECD** Electron capture detector **FAA** Atomic absorption, furnace technique FID Flame ionization detector **FNP** 1-Fluoronaphthalene GC Gas chromatography GC/MS Gas chromatography/mass spectrometry **GPC** Gel permeation chromatography **ICB** Initial calibration blank Inductively coupled plasma-atomic emission spectrometer ICP **ICV** Initial calibration verification IDL Instrument detection limit IS Internal standard LCS Laboratory control sample Laboratory control sample/laboratory control sample duplicate LCS/LCSD **MSA** Method of standard additions MS/MSD Matrix spike/matrix spike duplicate PID Photo ionization detector **PCB** Polychlorinated biphenyl **PCDD** Polychlorinated dibenzodioxins **PCDF** Polychlorinated dibenzofurans QA Quality assurance QC Quality control RF Response factor **RPD** Relative percent difference RRF Relative response factor RRF(number) Relative response factor at concentration of the number following RT Retention time **RRT** Relative retention time SDG Sample delivery group **SPCC** System performance check compound **TCX** Tetrachloro-m-xylene %D Percent difference %R Percent recovery %RSD Percent relative standard deviation

# Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region $\Pi$

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.



Data Validation

**Environmental Chemistry** 

Lab and Field Audits

Sampling Plans

# Data Usability Summary Report for STL Newburgh, STL Lab No. 237118

Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, and cyanide analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results reported as "not detected" for 2-chloroethylvinylether were flagged "unusable" (R) because the response factors were below 0.050.
- There were volatile results for some compounds in samples TP-5, TP-4, and TP-9 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The volatile results for sample TP-8RE were flagged as estimates (J) because the analysis occurred outside the EPA SW-846 holding time.
- The volatile results for the following samples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

TP-15

TP-15RE

TP-6

TP-6RE

TP-7

TP-7RE

TP-8

TP-8RE

The semi-volatile results reported as "not detected" for hexachlorocyclopentadiene were flagged "unusable" (R) because the continuing calibration response factors were below 0.050.

- There were semi-volatile results for some compounds in samples TP-4, TP-12, TP-1, TP-6, TP-9, and TP-11 that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J).
- The semi-volatile results for samples TP-15RR and TP-10RR were flagged as estimates (J) because the extractions occurred outside the EPA SW-846 holding time.
- The semi-volatile results for all samples except the following were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

TP-15 TP-18 TP-10 TP-7
TP-16 TP-2 TP-4DL TP-9DL
TP-11DL

- The semi-volatile results reported as "not detected" for samples TP-15 and TP-10 were flagged as "unusable" (R) because one or more acid extractable and base/neutral surrogate recoveries were below control limits and were below 10%.
- Positive pesticide results for the following samples were flagged as "estimated" (J) because
  one or more surrogate recoveries were above advisory limits:

TP-5 TP-19 TP-17 TP-18 TP-14 TP-1 TP-11 TP-2

- Pesticide results for samples TP-12 and TP-6 were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits, but was greater than 10%.
- The pesticide results reported with a laboratory 'P' for the following samples were flagged as "estimated" (R) because the %Ds for dual column quantitation were greater than 25%:

TP-5 TP-19 TP-12 TP-17 TP-18 TP-13 TP-15 TP-2 TP-1 TP-9 TP-10A TP-3

- The results for PCB arochlor-1242 in samples were flagged as "estimated" (J) because the percent recovery for arochlor-1242 was below the QC limits for the blank spike sample
- The PCB arochlor results reported with a laboratory 'P' for samples TP-13, TP-1, TP-8, TP-7, and TP-3 were flagged as "estimated" (J) because the %Ds for dual column quantitation were greater than 25%.

• There were PCB results for some arochlors in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J):

TP-5 TP-4 TP-19 TP-12 TP-17 TP-18 TP-13 TP14 TP-15 TP-1 TP-8 TP-10A TP-3

• Positive PCB arochlor results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

	_			TITIO.	
TP-5	TP-19	TP-12	TP-17	TP-14	TP-2
TP-1	TP-5DL	TP-3	TP-12DL	TP-17DL	TP-1DL
TP-8DL	TP-3DL	TP-4	TP-18	TP-8	TP-4DL
TP-19DL	TP-18DL	TP-14DI.		-1 0	11 - 1111

- Positive arochlor-1260 results were flagged as "estimated" (J) because the %Ds for arochlor-1260 were above the allowable maximum (15%) in associated continuing calibrations.
- The PCB arochlor results for sample TP-15 were flagged as estimates (J). This was due to surrogate recoveries that were below advisory limits but were greater than 10%.
- Positive results for lead and all results for silver were flagged as "estimated" (J) because spike recoveries were outside control limits.
- Positive results for zinc were flagged as "unusable" (R) because a spike recovery was significantly greater than control limits (>200%).
- Lead results were flagged as "estimated" (J) because the %D was above the allowable maximum (10%) for the serial dilution sample.
- Metal and cyanide results for sample TP-18 were flagged as "estimated" (J) because the
  percent solids was below the allowable minimum (50%).
- Results for cyanide were flagged as "estimated" (J) because a spike recovery was outside control limits.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



Data Validation

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## QA/QC Review of Volatiles Data for STL Newburgh, STL Lab No. 237118

Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Sample TP-8RE was re-analyzed outside SW-846 holding times. Results for TP-8RE should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for trichloroethene were below the ASP required minimums, but were greater than 0.010 on 06-18-04 (XS). The RRFs for 1,1,2,2- tetrachloroethane were below the ASP required minimums, but were greater than 0.010 on 06-20-04 (WS). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (32.89%) was above the allowable maximum (30%) on 06-18-04 (XS). The average RRF for 2-chloroethylvinylether (0.046) was below the allowable minimum (0.050) on 06-18-04 (XS). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R).

Continuing Calibration: The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-18-04 (XS852.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-19-04 (XS856.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-20-04 (XS857.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-21-04 (XS858.D). The CCRF for trichloroethene was below the ASP required minimums but was greater than 0.010 on 06-22-04 (XS860.D). The CCRF for 1,1,2,2- tetrachloroethane was below the ASP required minimums, but was greater than 0.010 on 06-22-04 (WS539.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The CCRF for 2-chloroethylvinylether (0.040) was below the allowable minimum (0.050) on 06-18-04 (XS852.D). The CCRF for 2-chloroethylvinylether (0.049) was below the allowable minimum (0.050) on 06-19-04 (XS856.D). The CCRF for 2-chloro ethylvinylether (0.032) was below the allowable minimum (0.050) on 06-10-04 (XS842.D).

The CCRF for 2-chloroethylvinylether (0.021) was below the allowable minimum (0.050) on 06-13-04 (XS843.D). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R).

The %D for 2-chloroethylvinylether (28.0%) was above the allowable maximum (25%) on 06-20-04 (XS857.D). The %D for 2-chloroethylvinylether (71.6%) was above the allowable maximum (25%) on 06-21-04 (XS858.D). The %Ds for 2-chloroethylvinylether (83.9%), 4-methyl-2-pentanone (34.5%) and 2-hexanone (30.9%) were above the allowable maximum (25%) on 06-22-04 (XS860.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: All internal standard retention times were within control limits. One of three internal stand areas (IS3) for samples TP-15, TP-6, TP-15RE, TP-6RE, and TP-7RE was outside control limits. Two of three internal stand areas (IS2, IS3) for sample TP-8 and TP-8RE were outside control limits. Three of three internal stand areas (IS1, IS2, IS3) for sample TP-7 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

Surrogate Recovery: The surrogate recoveries were within control limits for environmental samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum, but 3 of 10 %Rs (percent recoveries) were above control limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample VBSPK20.

<u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were volatile results for samples TP-5, TP-4, and TP-9 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed: therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



# QA/QC Review of Semi-Volatiles Data for STL Newburgh, STL Lab No. 237118

Soil Samples
Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

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<u>Holding Times</u>: Samples TP-15RR and TP-10RR were re-extracted outside SW-846 holding times. Results for these samples should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for acenaphthylene, acenaphthene, fluorene were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100%. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%). Positive results for these two compounds should be considered estimates (J).

<u>Continuing Calibration</u>: The CCRFs were above the ASP required minimums and %Ds were below the ASP required maximums.

The CCRF for hexachlorocyclopentadiene (0.038) was below the allowable minimum (0.050) on 06-23-04 (CCV2415.D). The CCRF for hexachlorocyclopentadiene (0.040) was below the allowable minimum (0.050) on 06-24-04 (CCV2416.D). The CCRF for hexachlorocyclopentadiene (0.031) was below the allowable minimum (0.050) on 06-28-04 (CCV2418.D). Positive results for hexachlorocyclopentadiene should be considered estimates (J) and negative results unusable (R).

The %D for hexachlorocyclopentadiene (38.2%) was above the allowable maximum (25%) 06-22-04 (CCV2414.D). The %Ds for hexachlorocyclopentadiene (56.5%), 3-nitroaniline (25.3%), 4-nitrophenol (40.4%), and 3,3'-dichlorobenzidine (27.5%) were above the allowable maximum (25%) 06-23-04 (CCV2415.D).

The %Ds for hexachlorocyclopentadiene (54.0%), 4-nitroaniline (30.2%), and dinoctylphthalate (29.2%) were above the allowable maximum (25%) 06-24-04 (CCV2416.D). The %Ds for hexachlorocyclopentadiene (64.5%), 4-nitrophenol (32.8%), di-n-octylphthalate (34.8%), and 3,3'-dichlorobenzidine (37.9%) were above the allowable maximum (25%) 06-28-04 (CCV2418.D). Positive results for the above compounds should be considered estimates (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Internal Standard Area Summary: The internal standard retention times were within control limits.

One of 6 internal standard areas (IS6) for the following samples was outside control limits:

TP-13	TP-10A	TP-9	TP-8	TP-19
TP-12DL	TP-17	TP-10ARE	TP-8RE	TP-19RE

Two of 6 internal standard areas (IS5, IS6) for the following samples were outside control limits:

TP-5	TP-11	TP-12	TP-14	TP-3
TP-4	TP-5RE	TP-14RE	TP-6DL	TP-17RE
TP-3RE.	TP-10RR	TP-15RR		

Three of 6 internal standard areas (IS4, IS5, IS6) for samples TP-6 and TP-1DL were outside control limits. Four of 6 internal standard areas (IS3, IS4, IS5, IS6) for sample TP-1 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

<u>Surrogate Recovery</u>: Four surrogates for sample TP-4DL were diluted beyond detection limits. No action is taken on surrogates that are diluted beyond detection limits.

Four of 4 base/neutral surrogate recoveries for sample TP-15 were below control limits and were less than 10%. Three of 4 base/neutral surrogate recoveries for samples TP-10 were below control limits and were less than 10%. Positive results for the base/neutral fraction of sample TP-15 and TP-10 should be considered estimates (J) and negative results unusable (R).

Two of 4 acid extractable surrogate recoveries for sample TP-15 were outside control limits and were less than 10%. One of 4 acid extractable surrogate recovery for sample TP-10 was below control limits and were less than 10%. Positive results for acid extractable compounds of samples TP-15 and TP-10 should be considered estimates (J) and negative results unusable (R).

- Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximums, but 5 of 22 %Rs (percent recoveries) were outside control limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample SBSPK20. The %R for 4-nitrophenol was below QC limits for sample SBSPK09. The %Rs for 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, and 1,2,4-trichlorobenzene were below QC limits for sample SBSPK08. Results for 1,4-dichlorobenzene, n-nitroso-di-n-propylamine, and 1,2,4-trichlorobenzene should be considered estimates (J) in associated samples.
- Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

There were semi-volatile results for samples TP-4, TP-12, TP-1, TP-6, TP-9, and TP-11 that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds.



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# QA/QC Review of Pesticide Data for STL Newburgh, STL Lab No. 237118

Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target compounds as not detected.

Surrogate Recovery: One of two surrogate recoveries for samples TP-19, TP-5, TP-14, TP-2, TP-8, TP-17, and TP-18 was above advisory limits on one or both columns. Two of two surrogate recoveries for samples TP-1, TP-11, and TP-4 were above advisory limits on one or both columns. Positive results for these samples should be considered estimates (J).

One of two surrogate recoveries for samples TP-12 and TP-6 was below advisory limits, but was above 10% on one or both columns. Results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: Two of 6 relative percent differences were above the allowable maximum and 6 of 12 %Rs (percent recoveries) were outside QC limits for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for sample PBSPK16.

Initial Calibration: The %RSDs for 4,4'-DDE (22.11%), signal #1, and delta-BHC (31.90%), signal #2 were above the allowable maximum (20%). Positive results for these two pesticides should be considered estimates (J).

Pesticide Calibration Verification Summary (PEM): The percent preakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.

The %RPDs for beta-BHC (40%), endrin (38%), methoxychlor (32%), and 4,4'-DDT (40%) for signal #1, and endrin (36%), methoxychlor (27%), and 4,4'-DDT (32%) for signal #2 were above the allowable maximum (25%) on 06-22-04. Positive results for these pesticides should be considered estimates (J).

- <u>Pesticide Calibration Verification Summary (INDA & INDB)</u>: The %RPD for 4,4'-DDE (26..18%) for signal #1 was above the allowable maximum (25%) on 06-22-04. Positive results for 4,4'-DDE should be considered estimates (J).
- <u>Pesticide Analytical Sequence</u>: The retention times for TCX and DCB were within control limits for both columns.
- Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of pesticides in the following samples were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low:

TP-5	TP-19	TP-12	TP-17	TP-18	TP-13
TP-15	TP-2	TP-1	TP-9	TP-10A	TP-3

<u>Pesticide Identification Summary for Multicomponent Analytes</u>: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



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#### QA/QC Review of PCB Data for STL Newburgh, STL Lab No. 237118

#### Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

TP-5	TP-19	TP-12	TP-17	TP-14	TP-2
TP-1	TP-11	TP-3	TP-12DL	TP-17DL	TP-1DL
TP-8DL	TP-3DL				

Two of two surrogate recoveries for the following samples were above advisory limits on one or both columns:

TP-4 **TP-18** TP-4DL TP-8 TP-19DL TP-18DL TP-14DL TP-5DL

Positive results for the above samples should be considered estimates (J).

One of two surrogate recoveries for sample TP-15 was below advisory limits, but was above 10% on one column. Results for sample TP-15 should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (80%) was above the allowable maximum (35%) and 1 of 2 percent recoveries (107%) was outside QC limits (43-93%) for MS/MSD sample TP-5. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery. The percent recovery for arochlor-1242 was below QC limits for sample PBSPK16. Results for arochlor-1242 should be considered estimates (J).

<u>Initial Calibration</u>: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

Continuing Calibration: The average %Ds for arochlor-1016 (23.0%) and arochlor-1260 (23.4%) for signal #1, and arochlor-1016 (23.3%) and arochlor-1260 (18.5%) for signal #2 were above the allowable maximum (15%) on 06-22-04 (AR166007). The average %Ds for arochlor-1016 (23.4%) and arochlor-1260 (20.4%) for signal #1, and arochlor-1016 (21.2%) and arochlor-1260 (21.0%) for signal #2 were above the allowable maximum (15%) on 06-23-04 (AR166007). The average %Ds for arochlor-1260 (24.7%) for signal #1 and arochlor-arochlor-1260 (24.3%) for signal #2 were above the allowable maximum (15%) on 06-25-04 (AR166007). The average %Ds for arochlor-1260 (23.8%) for signal #1 and arochlor-arochlor-1260 (19.6%) for signal #2 were above the allowable maximum (15%) on 06-26-04 (AR166007). Positive results for these two arochlors should be considered estimates (J) in associated samples.

<u>PCB Analytical Sequence</u>: The retention times for TCX and DCB were within control limits on both columns.

PCB Identification Summary for Multicomponent Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of arochlors in samples TP-13, TP-1, TP-8, TP-7, and TP-3 were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low.

There were PCB arochlor results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds:

TP-5	TP-4	TP-19	TP-12	TP-17
TP-18	TP-13	TP14	TP-15	TP-1
TP-8	TP-10A	TP-3		



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#### QA/QC Review of TAL Metals Data for STL Newburgh, STL Lab No: 237118

#### Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

- Holding Times: The samples were analyzed within SW-846 holding times.
- <u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).
- <u>CRDL Standard for AA and ICP</u>: The percent recoveries for lead (124.5% and 129.2%) and zinc (129.4%, 136.8%, and 125.3%) were above control limits (80-120%). Positive results for lead and zinc that are less than 2 times the CRDL should be considered estimates (J).
- <u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.
- ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).
- Spike Sample Recovery: The percent recoveries for copper (125.8%), silver (62.1%), and zinc (817.2%) were outside control limits (75-125%) for spike sample TP-5S. Positive results for copper and all results for silver should be considered estimates (J). Positive results for zinc should be considered unusable (R).
- <u>Duplicates</u>: The applicable relative percent differences for target metals were below the allowable maximum (35%) for duplicate sample TP-5D.
- <u>Laboratory Control Sample</u>: The recoveries for target metals were within control limits for the LCSs.
- ICP Serial Dilution: The %D for lead (13.0%) was above the allowable maximum (10%) for serial dilution sample TP-5L. Positive results for lead should be considered estimates (J).

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for sample TP-18 (45.9%) was below the allowable minimum (50%), but was above 10%. Results for sample TP-18 should be considered estimates (J).



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#### QA/QC Review of Cyanide Data for STL Newburgh, STL Lab No: 237118

Soil Samples Collected June 7 and 8, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recovery for cyanide was within control limits (75-125%) for spike sample TP-5. The percent recovery for cyanide (61.9%) was outside control limits (75-125%) for spike sample TP-6. Results for cyanide should be considered estimates (J) in associated samples.

<u>Duplicates</u>: The analyses of duplicate samples TP-5/TP-5D and TP-6/TP-6D reported cyanide as not detected, and are acceptable.

Laboratory Control Sample: The recoveries for cyanide were within control limits for the LCSs.

Percent Solids: The percent solids for sample TP-18 (45.9%) was below the allowable minimum (50%), but was above 10%. The cyanide result for sample TP-18 should be considered an estimate (J).

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# Data Usability Summary Report for STL Newburgh, STL Lab No. 237194

#### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2003

Prepared by: Donald Anné July 26, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, cyanide and total phenols analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results for the following samples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

  SS-5 SS-5RE SS-9 SS-9RE SS-10
- Positive volatile results for samples SS-5 and SS-10RE were flagged as "estimated" (J) because 1 of 3 surrogate recoveries was above control limits.
- The volatile results for methylene chloride in the following samples were flagged as "estimated" (J) because the %D for methylene chloride in the associated continuing calibration was above the allowable maximum (25%):

SS-3

SS-7

SS-8

SS-9

- The semi-volatile results reported as "not detected" for hexachlorocyclopentadiene were flagged "unusable" (R) because the continuing calibration response factors were below 0.050.
- The semi-volatile result for pyrene in sample SED-2 was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for pyrene marked "E" in the undiluted sample was qualified as an estimate (J).

• The semi-volatile results for the following samlples were flagged as "estimated" (J) because the results were quantitated using internal standard(s) with areas outside control limits:

L-2	L-2RE	SED-6	SS-6	SS-7
SS-8	SED-5	SS-9	SS-6RE	SED-1
SS-10	SED-4	SS-4	SED-2	SED-3
SED-6RE	SS-7RE	SS-8RE	SS-10RE	SED-4RE
SED-5RE,	SS-9RE	SED-1RE	SS-4RE	SED-2DL

• Positive pesticide results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

SW-1

SW-4

SS-2

SED-4

SED-5

• The pesticide results reported with a laboratory 'P' for the following samples were flagged as "estimated" (R) because the %Ds for dual column quantitation were greater than 25%:

SW-1

SS-1

SED-4

SED-5

- The pesticide results for gamma-BHC and aldrin in soil/sediment samples were flagged as "estimated" (J) because the percent recoveries for gamma-BHC and aldrin were below the QC limits for the soil blank spike sample.
- There were PCB results for some arochlors in the following samples that were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. Results for these compounds marked "E" in the undiluted sample were qualified as estimates (J):

SED-1

SED-2

SED-3

SED-4

SED-5

SED-6

The PCB arochlor results reported with a laboratory 'P' for the following samples were flagged as "estimated" (J) because the %Ds for dual column quantitation were greater than 25%:

SS-1 SED-3 SS-2 SED-4 SS-7 SED-5

SED-1

SED-5DL

SED-2 SED-6

Positive PCB arochlor results for the following samples were flagged as "estimated" (J) because one or more surrogate recoveries were above advisory limits:

SS-1 SED-1

SED-4

SS-1DL SED-1DL

SED-4DL

SS-2 SED-2 SED-5 SS-4 SED-2DL SED-5DL SS-7 SED-3 SED-6

SED-3DL SED-6DL

SS-9

- The results for silver in soil, sediment and surface water samples were flagged as "estimated" (J) because spike recoveries were outside control limits.
- Positive results for zinc in soil samples were flagged as "unusable" (R) because the spike recovery was significantly above control limits for the soil spike sample.
- Zinc results in soil samples were flagged as "estimated" (J) because the %D was above the allowable maximum (10%) for the soil serial dilution sample.
- Cadmium results in sediment samples were flagged as "estimated" (J) because the relative percent difference was above the allowable maximum (35%) for the sediment duplicate sample.
- Metal and cyanide results for the following samples were flagged as "estimated" (J) because the percent solids were below the allowable minimum (50%):

SS-4 (38.6%) SED-1 (47.5%) SED-5 (47.1%)

SED-2 (42.5%)

SED-3(46.4%)

....,

• Results for cyanide in soil samples were flagged as "estimated" (J) because the spike recovery was outside control limits for the soil spike sample.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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#### QA/QC Review of Volatiles Data for STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

> Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

Initial Calibration: The RRFs for trichloroethene were below the ASP required minimum, but were greater than 0.010 on 06-18-04 (XS). The RRFs for 1,1,2,2- tetrachloroethane were below the ASP required minimum, but were greater than 0.010 on 06-20-04 (WS). The RRFs for trichloroethene were below the ASP required minimum, but were greater than 0.010, and the %RSD for total xylenes was above the ASP required maximum, but was less than 40% on 06-23-04 (XS). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (32.89%) was above the allowable maximum (30%) on 06-18-04 (XS). The average RRF for 2-chloroethylvinylether (0.046) was below the allowable minimum (0.050) on 06-18-04 (XS). Results for 2-chloroethylvinylether should be considered estimates (J).

Continuing Calibration: The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-21-04 (XS858.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-22-04 (XS860.D). The CCRF for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 06-23-04 (WS539.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-23-04 (XS863.D). The CCRF for 1,1,2,2-tetrachloroethene was below the ASP required minimum but was greater than 0.010 on 06-24-04 (WS540.D). The CCRF for trichloroethene was below the ASP required minimum but was greater than 0.010 on 06-24-04 (XS868.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The CCRFs for target compounds were above the allowable minimum (0.050), as required.

The %D for 2-chloroethylvinylether (71.6%) was above the allowable maximum (25%) on 06-21-04 (XS858.D). The %Ds for 2-chloroethylvinylether (83.9%), 4-methyl-2-pentanone (34.5%) and 2-hexanone (30.9%) were above the allowable maximum (25%) on 06-22-04 (XS860.D). The %Ds for methylene chloride (30.6%) and carbon disulfide (29.5%) were above the allowable maximum (25%) on 06-23-04 (XS863.D). Positive results for these compounds should be considered estimates (J) in associated samples.

- Blanks: The analyses of the method blanks reported target compounds as not detected.
- Internal Standard Area Summary: All internal standard retention times were within control limits. One of three internal stand areas (IS3) for samples SS-5, SS-5RE, and SS-10 was outside control limits. Two of three internal stand areas (IS1, IS3) for sample SS-9RE were outside control limits. Three of three internal stand areas (IS1, IS2, IS3) for sample SS-9 were outside control limits. Results for these samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).
- <u>Surrogate Recovery</u>: One of three surrogate recoveries for samples SS-5 and SS-10RE was above control limits. Positive results for samples SS-5 and SS-10RE should be considered estimates (J).
- Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within control limits for MS/MSD samples SW-3 and SED-3.
- Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK23 (water) and VBSPK23 (soil).
- <u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



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# QA/QC Review of Semi-Volatiles Data for STL Newburgh, STL Lab No. 237194

Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

> Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for bis(2-chloroethoxy)methane were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-21-04. The RRFs for acenaphthylene, acenaphthene, and fluorene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-22-04. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (41.10%) and 2,4-dinitrophenol (38.87%) were above the allowable maximum (30%) on 06-21-04. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) on 06-22-04. Positive results for these two compounds should be considered estimates (J).

<u>Continuing Calibration</u>: The CCRFs were above the ASP required minimums and %Ds were below the ASP required maximum.

The CCRF for hexachlorocyclopentadiene (0.034) was below the allowable minimum (0.050) on 06-23-04 (CCV3053.D). The CCRF for hexachlorocyclopentadiene (0.040) was below the allowable minimum (0.050) on 06-24-04 (CCV2416.D). The CCRF for hexachlorocyclopentadiene (0.043) was below the allowable minimum (0.050) on 06-25-04 (CCV2417.D). Positive results for hexachlorocyclopentadiene should be considered estimates (J) and negative results unusable (R) in associated samples.

The %Ds for n-nitrosodimethylamine (33.6%), hexachlorocyclopentadiene (65.2%) and 4-nitrophenol (40.4%) were above the allowable maximum (25%) 06-22-04 (CCV3052.D). The %Ds for hexachlorocyclopentadiene (54.0%), 4-nitroaniline (30.2%), and dinoctylphthalate (29.2%) were above the allowable maximum (25%) 06-24-04 (CCV2416.D). The %Ds for hexachlorocyclopentadiene (51.0%), 3-nitroaniline (30.2%), 4-nitrophenol (27.6%), 4-nitroaniline (31.4%), and 3,3'-dichlorobenzidine (26.7%) were above the allowable maximum (25%) 06-28-04 (CCV2417.D). The %Ds for 4-nitrophenol (42.8%), hexachlorocyclopentadiene (38.1%), 4-nitroaniline (28.1%), and 3,3'-dichlorobenzidine (29.9%) were above the allowable maximum (25%) 06-29-04 (CCV2419.D). Positive results for these compounds should be considered estimates (J) in associated samples.

Blanks: The analysis of the soil method blanks reported target compounds as not detected. The water method blank SBLK17 was inadvertently spiked by the laboratory, resulting in all but a few target compounds detected in the blank. The lab accepted the blank since all target compounds were detected at levels less than the CRDL, as required. This water blank can not be used to evaluate the environmental samples.

<u>Internal Standard Area Summary</u>: The internal standard retention times were within control limits.

One of 6 internal standard areas (IS6) for the following samples was outside control limits:

L-2	L-2RE	SED-6	SS-6	SS-7
SS-8	SED-5	SS-9	SS-6RE	SED-1

Two of 6 internal standard areas (IS5, IS6) for the following samples were outside control limits:

SS-10	SED-4	SS-4	SED-2	SED-3
SED-6RE	SS-7RE	SS-8RE	SS-10RE	SED-4RE
SED-5RE,	SS-9RE	SED-1RE	SS-4RE	SED-2DL

Results for the above samples that are quantitated using internal standards with areas outside control limits should be considered estimates (J).

<u>Surrogate Recovery</u>: One surrogate for sample SED-2DL was diluted beyond detection limits. No action is taken on surrogates that are diluted beyond detection limits.

Matrix Spike/Matrix Spike Duplicate: Iwo of 11 relative percent differences (RPDs) were above the allowable maximums and 1 of 22 %Rs (percent recoveries) was outside control limits for MS/MSD sample SW-3. One of 11 RPDs was above the allowable maximums and 1 of 22 %Rs was outside control limits for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries were within QC limits for samples SBSPK17 and SBSPK22.

<u>Compound ID</u>: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

The result for pyrene in sample SED-2 was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the result for pyrene that is flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for pyrene is recommended. It is recommended that the undiluted results be used for all other compounds.



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#### QA/QC Review of Pesticide Data for STL Newburgh, STL Lab No. 237194

#### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

Surrogate Recovery: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

SW-4	SW-5	SS-1	SS-2	SS-3	SS-4
SS-5	SS-6	SS-7	SS-8	SS-9	SED-1
SED-3	SED-4	SED-5	SED-6		

Two of two surrogate recoveries for samples SW-1 and SED-2 were above advisory limits on one or both columns. Positive results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximum, but 6 of 12 %Rs (percent recoveries) were outside QC limits for MS/MSD sample SW-3. One of 6 RPDs was below the allowable maximum and 7 of 12 %Rs were outside QC limits for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) for gamma-BHC, heptachlor, and aldrin were above QC limits for water sample PBSPK11. Positive results for these pesticides should be considered estimates (J) in water samples. The %Rs for gamma-BHC and aldrin were below QC limits for soil sample PBSPK18. Results for these pesticides should be considered estimates (J) in soil/sediment samples.

<u>Pesticide Analytical Sequence</u>: The retention times for TCX and DCB were within control limits for both columns.

- Initial Calibration: The %RSDs for 4,4'-DDE (34.57%), endrin (21.77%), endosulfan II (21.01%), endrin ketone (20.81%), and 4,4'-DDT (39.72%) for signal #1, and aldrin (152.76%),4,4'-DDD (20.33%), endrin ketone (22.95%), and 4,4'-DDT (21.86%) for signal #2 were above the allowable maximum (20%) on 06-28-04. Positive results for these pesticides should be considered estimates (J) in associated samples.
- Pesticide Calibration Verification Summary (PEM): The %RPDs for target pesticides were below the allowable maximum (25%), as required. The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.
- Pesticide Calibration Verification Summary (INDA & INDB): The %RPD for 4,4'-DDT (39.09%) for signal #1 and aldrin (61.21%) for signal #2 were above the allowable maximum (25%) on 06-29-04. Positive results for these two compounds should be considered estimates (J) in associated samples.
- Pesticide Identification Summary for Single Component Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of pesticides in samples SW-1, SS-1, SED-4, and SED-5 were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low.
- <u>Pesticide Identification Summary for Multi-component Analytes</u>: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



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### QA/QC Review of PCB Data for STL Newburgh, STL Lab No. 237194

#### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method blanks reported target arochlors as not detected.

<u>Surrogate Recovery</u>: One of two surrogate recoveries for the following samples was above advisory limits on one or both columns:

SS-1	SS-1DL	SS-2	SS-4	SS-7
SS-9	SED-1	SED-1DL	SED-2DL	SED-3
SED-4	SED-4DL	SED-5	SED-5DL	SED-6
SED-6DL				

Two of two surrogate recoveries for samples SED-2 and SED-3DL were above advisory limits on one or both columns. Positive results for the above samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (RPD) was below the allowable maximum (20%) and the percent recoveries (%Rs) were within QC limits (43-93%) for MS/MSD sample SW-3. The RPD was below the allowable maximum (35%), but both the %Rs were outside QC limits (43-93%) for MS/MSD sample SED-3. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries for arochlor-1242 were within QC limits for samples PBSPK02 and PBSPK18.

<u>Initial Calibration</u>: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

<u>PCB Analytical Sequence</u>: The retention times for TCX and DCB were within control limits on both columns.

Continuing Calibration: The average %Ds for arochlor-1260 (23.8%) for signal #1, and arochlor-1260 (19.6%) for signal #2 were above the allowable maximum (15%) on 06-25-04 (AR166007). The average %Ds for arochlor-1260 (24.4%) for signal #1 and arochlor-1260 (22.0%) for signal #2 were above the allowable maximum (15%) on 06-29-04 (AR166006). Positive results for arochlor-1260 should be considered estimates (J) in associated samples.

PCB Identification Summary for Multicomponent Analytes: Checked results were within GC quantitation limits. The %Ds for dual column quantitation of arochlors in the following samples were greater than the allowable maximum (25%) and flagged 'P' by the laboratory. Results with %Ds greater than 25% should be considered estimates (J). Results flagged may be biased low:

SS-1	SS-2	SS-7	SED-1	SED-2
SED-3	SED-4	SED-5	SED-5DL	SED-6

There were PCB arochlor results for the following samples that were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results for compounds that are flagged as 'E' in the undiluted sample should be considered estimates (J) and the use of the diluted results for those compounds is recommended. It is recommended that the undiluted results be used for all other compounds:

itoliaoa	mac the anal	14104 1084118 00	asca for all other	compounds.	
SED-1	SED	-2 SED-	-3 SED-4	SED-5	SED-6



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### QA/QC Review of TAL Metals Data for STL Newburgh, STL Lab No: 237194

#### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

<u>Holding Times</u>: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).

<u>CRDL Standard for AA and ICP</u>: The percent recoveries for target metals were within control limits (80-120%).

<u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.

<u>ICP Interference Check Sample</u>: The percent recoveries for target metals were within control limits (80-120%).

Spike Sample Recovery: The percent recovery for silver (70.2%) was below control limits (75-125%) for the water spike sample SW-3S. Results for silver should be considered estimates (J) in water samples. The percent recovery for silver (72.3%) was below control limits (75-125%) for the soil spike sample SS-1S. Results for silver should be considered estimates (J) in soil samples. The percent recoveries for silver (71.2%) and zinc (136.9%) were outside control limits (75-125%) for the sediment spike sample SED-3S. Results for silver and positive results for zinc should be considered estimates (J) in sediment samples.

<u>Duplicates</u>: The applicable relative percent differences (RPD) for target metals were below the allowable maximum (soil-35% and water-20%) for the water duplicate sample SW-3D and the soil duplicate sample SS-1D. The RPD for cadmium (60.7%) was above the allowable maximum (35%) for the sediment duplicate sample SED-3. Positive results for cadmium should be considered estimates (J) in sediment samples.

- <u>Laboratory Control Sample</u>: The recoveries for target metals were within control limits for the soil/sediment LCSs. The percent recovery for silver (64.2%) was below control limits (80-120%) for the water LCS. Results for silver should be considered estimates (J) in water samples.
- Standard Addition Results: The correlation coefficient for selenium (0.999) in sample SW-1 was greater than the allowable minimum (0.995), as required.
- ICP Serial Dilution: The %Ds for applicable target metals were below the allowable maximum (10%) for the water serial dilution sample SW-3L and the sediment serial dilution sample SED-3L. The %D for zinc (13.0%) was above the allowable maximum (10%) for the soil serial dilution sample SS-1L. Positive results for zinc should be considered estimates (J) in soil samples.

Instrument Detection Limits: The IDLs were at or below CRDLs, as required.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. Results for these samples should be considered estimates (J): SS-4 (38.6%) SED-1 (47.5%) SED-2 (42.5%) SED-3 (46.4%) SED-5 (47.1%)



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#### QA/QC Review of Cyanide Data for STL Newburgh, STL Lab No: 237194

#### Soil, Sediment, and Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

Spike Sample Recovery: The percent recoveries for cyanide were within control limits (75-125%) for the water spike sample SW-3 and the sediment spike sample SED-3. The percent recovery for cyanide (62.0%) was outside control limits (75-125%) for the soil spike sample 237118-15. Results for cyanide should be considered estimates (J) in soil samples.

<u>Duplicates</u>: The analyses of duplicate samples SW-3/SW-3D, SED-3/SED-3D, and 237118-15/237118-15D reported cyanide as not detected, and are acceptable.

Laboratory Control Sample: The recoveries for cyanide were within control limits for the LCSs.

Percent Solids: The percent solids for the following samples were below the allowable minimum (50%), but were above 10%. The cyanide result for these samples should be considered an estimates (J):

SS-4 (38.6%) SED-5 (47.1%)

SED-1 (47.5%)

SED-2 (42.5%)

SED-3 (46.4%)

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### QA/QC Review of Total Recoverable Phenolics Data for STL Newburgh, STL Lab No: 237194

#### Surface Water Samples Collected June 9 and 10, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for total recoverable phenolics were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and method blanks reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recovery for total recoverable phenolics was within control limits (75-125%) for the spike sample.

<u>Duplicates</u>: The analyses of duplicate samples reported total recoverable phenolics as not detected, and are acceptable.

<u>Laboratory Control Sample</u>: The percent recovery for total recoverable phenolics was within control limits for the LCS.

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### QA/QC Review of Total Organic Carbon (TOC) Data for STL Burlington, SDG: 100771

**Sediment Samples** Collected June 9, 2004

Prepared by: Donald Anné July 26, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

Blanks: The analyses of the method blank reported TOC as not detected.

Spike Sample Recovery: The percent recovery for TOC (105%) was within control limits (75-125%) for spike sample SED-3MS.

<u>Duplicates</u>: The relative percent difference for TOC (27%)was below the allowable maximum (35%) for duplicate sample SED-3REP, as required.

Laboratory Control Sample: The percent recovery for TOC (98%) was within control limits for the LCS.

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August 16, 2004

Mr. Mark Schumacher InteGreyted International, LLC 104 Jamesville Road Syracuse, New York 13204

Re:

Data Validation Report

Cooper Project

June-July 2004 Ground Water Sampling Event

#### Dear Mr. Schumacher:

The data validation summaries are attached to this letter for the Cooper Project, June-July 2004 ground water sampling event. The data for STL Newburgh, STL Lab No. 237960, were mostly acceptable with some issues that are identified and discussed in the validation summaries. STL Newburgh failed to meet ASP calibration criteria for semi-volatile analyses which affected sample MW-6A. The data pack contained data that were qualified unusable (R). The individual QA/QC reviews contain the explanation for rejecting the data, based solely on the validation guidance criteria. The rejected data may be determined to be acceptable to the user based on additional information that is not contained in the data validation criteria.

A list of common data validation acronyms is attached to this letter to assist you interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist InteGreyted International, LLC.

Sincerely,

Alpha Environmental Consultants, Inc.

Donald Anné Senior Chemist

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### Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

- U = Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
- R = Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
- N = Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
- J = Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
- UJ = Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

#### **Data Validation Acronyms**

AA Atomic absorption, flame technique

BHC Hexachlorocyclohexane BFB Bromofluorobenzene

CCB Continuing calibration blank
CCC Calibration check compound
CCV Continuing calibration verification

CN Cyanide

CRDL Contract required detection limit
CRQL Contract required quantitation limit
CVAA Atomic adsorption, cold vapor technique

DCAA 2,4-Dichlophenylacetic acid

DCB Decachlorobiphenyl

DFTPP Decafluorotriphenyl phosphine ECD Electron capture detector

FAA Atomic absorption, furnace technique

FID Flame ionization detector FNP 1-Fluoronaphthalene GC Gas chromatography

GC/MS Gas chromatography/mass spectrometry

GPC Gel permeation chromatography

ICB Initial calibration blank

ICP Inductively coupled plasma-atomic emission spectrometer

ICV Initial calibration verification IDL Instrument detection limit

IS Internal standard

LCS Laboratory control sample

LCS/LCSD Laboratory control sample/laboratory control sample duplicate

MSA Method of standard additions
MS/MSD Matrix spike/matrix spike duplicate

PID Photo ionization detector
PCB Polychlorinated biphenyl
PCDD Polychlorinated dibenzodioxins
PCDF Polychlorinated dibenzofurans

QA Quality assurance QC Quality control RF Response factor

RPD Relative percent difference RRF Relative response factor

RRF(number) Relative response factor at concentration of the number following

RT Retention time

RRT Relative retention time SDG Sample delivery group

SPCC System performance check compound

TCX Tetrachloro-m-xylene %D Percent difference %R Percent recovery

%RSD Percent relative standard deviation



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# Data Usability Summary Report for STL Newburgh, STL Lab No. 237960

### Ground Water Samples Collected June 30 and July 1, 2003

Prepared by: Donald Anné August 16, 2004

The data packages contain the documentation required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data packs contained the results of volatile, semi-volatile, pesticide, PCB, metal, cyanide and total phenols analyses.

The overall performances of the analyses are acceptable. STL Newburgh did fulfill the requirements of the analytical methods.

The data generally are acceptable with some issues that are identified in the accompanying data validation reviews. The following data were flagged:

- The volatile results reported as "not detected" for 2-chloroethylvinylether were flagged "unusable" (R) because the response factors were below 0.050.
- The volatile result for chloroethane in sample MW-1N was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for chloroethane marked "E" in the undiluted sample was qualified as estimated (J).
- The semi-volatile results reported as "not detected" for samples MW-8A, MW-6A, and MW-6ARE were flagged as "unusable" (R) and detected compounds were flagged estimates (J) because two or more acid extractable and base/neutral surrogate recoveries were below control limits and were below 10%.
- Positive base/neutral semi-volatile results for sample MW-12 were flagged as "estimated" (J) because two surrogate recoveries were above advisory limits.
- Semi-volatile results for bis(2-ethylhexyl)phthalate in samples were flagged as "not detected"
   (U) because the levels in the samples were not significantly higher than the level in the associated method blank.

- Semi-volatile results for 1,2,4-trichlorobenzene and 4-nitrophenol in samples were flagged as "estimated" (J) because the percent recoveries for those compounds were below QC limits in the associated blank spike sample.
- Semi-volatile results for sample MW-8ARR were flagged as "estimated" (J) because the sample was re-extracted outside SW-846 holding times.
- Pesticide results for samples MW-4B, MW-9B, MW-6A, and MW-6B were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits.
- The pesticide results for gamma-BHC and aldrin in sample MW-4A and MW-4B were flagged as "estimated" (J) because the percent recoveries for gamma-BHC and aldrin were below the QC limits for the blank spike sample PBSPK22.
- PCB arochlor results for samples MW-9B, MW-6A, and MW-6B were flagged as "estimated" (J) because one or more surrogate recoveries were below advisory limits.
- The results for iron, lead, selenium and silver in samples were flagged as "estimated" (J) because percent recoveries were below control limits in associated spike samples.

All data that are not flagged rejected (R) are considered usable, with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.



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#### QA/QC Review of Volatiles Data for STL Newburgh, STL Lab No. 237960

Ground Water Samples
Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: Samples were analyzed within SW-846 holding times.

GC/MS Tuning and Mass Calibration: All BFB tuning criteria were within control limits.

<u>Initial Calibration</u>: The RRFs for trichloroethene and 1,1,2,2- tetrachloroethane were below the ASP required minimums, but were greater than 0.010. No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %RSD for 2-chloroethylvinylether (60.67%) was above the allowable maximum (30%). The average RRF for 2-chloroethylvinylether (0.014) was below the allowable minimum (0.050). Results for 2-chloroethylvinylether should be considered estimates (J).

Continuing Calibration: The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-12-04 (XS883.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-13-04 (X8052.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-14-04 (XS8076.D). The CCRFs for trichloroethene and 1,1,2,2-tetrachloroethane were below the ASP required minimums but were greater than 0.010 on 07-15-04 (XS8091.D). No action is taken when two or fewer compounds per calibration do not meet ASP criteria.

The %Ds for target compounds were below the allowable maximum (25%), as required. The CCRF for 2-chloroethylvinylether (0.014) was below the allowable minimum (0.050) on 07-12-04 (XS883.D). The CCRF for 2-chloroethylvinylether (0.013) was below the allowable minimum (0.050) on 07-13-04 (X8052.D). The CCRF for 2-chloroethylvinylether (0.012) was below the allowable minimum (0.050) on 07-14-04 (XS8076.D). The CCRF for 2-chloroethylvinylether (0.015) was below the allowable minimum (0.050) on 07-15-04 (XS8091.D). Positive results for 2-chloroethylvinylether should be considered estimates (J) and negative results unusable (R) in associated samples.

- Blanks: The analyses of the method and trip blanks reported target compounds as not detected. Field blank FB contained a trace of chloroform (8 ug/L). Results for chloroform that are less than five times the field blank level should be considered not detected (U) in associated samples.
- Internal Standard Area Summary: All internal standard areas and retention times were within control limits.
- Surrogate Recovery: The percent recoveries were within control limits for environmental samples.
- Matrix Spike/Matrix Spike Duplicate: The relative percent differences were below the allowable maximum and the percent recoveries were within control limits for MS/MSD samples MW-8B and MW-7.
- Blank Spike Recovery: The percent recoveries were within QC limits for samples VBSPK10 and VBSPK14. The percent recovery for benzene in sample VBSPK015 was above control limits. Positive results for benzene should be considered estimates in associated samples.
- <u>Compound ID</u>: Checked compounds were within GC/MS quantitation and qualitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.

The result for chloroethane in sample MW-1N was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. This sample was diluted by the laboratory and re-analyzed; therefore, the result for chloroethane that is flagged as 'E' in the undiluted sample should be considered estimated (J) and the use of the diluted results for this compound is recommended. It is recommended that the undiluted results be used for all other compounds.



**Environmental Chemistry** 

Lab and Field Audits

Sampling Plans

#### QA/QC Review of Semi-Volatiles Data for STL Newburgh, STL Lab No. 237960

Ground Water Samples Collected June 30 and July 1, 2004

> Prepared by: Donald Anné August 16, 2004

Holding Times: Sample MW-8ARR was extracted outside SW-846 holding times. Results for MW-8ARR should be considered estimates (J).

GC/MS Tuning and Mass Calibration: All DFTPP tuning criteria were within control limits.

Initial Calibration: The RRFs for bis(2-chloroethoxy)methane were below the ASP required minimum but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 06-21-04. No action is taken when four or fewer compounds per calibration do not meet ASP criteria.

The RRFs for naphthylene, 2-chloronaphthalene, acenaphthene, benzo(a)anthracene, fluorene, and benzo(k)fluoranthene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-14-04. Samples associated with this calibration should have been re-analyzed because greater than four compounds did not meet criteria. One sample, MW-8ARR that was associated with this initial calibration is a re-extraction of a sample that was associated with acceptable calibrations; therefore, no action was taken. Two other samples, MW-6A and MW-6ARE, were associated with the initial calibration and represent the original and re-analysis of the same sample. Results for compounds that were outside ASP criteria should be considered estimates in samples MW-6A and MW-6ARE.

The average RRFs for target compounds were above the allowable minimum (0.050), as required. The %RSDs for hexachlorocyclopentadiene (41.10%) and 2.4-dinitrophenol (38.87%) were above the allowable maximum (30%) on 06-21-04. The %RSDs for hexachlorocyclopentadiene (57.37%) and 2,4-dinitrophenol (30.14%) were above the allowable maximum (30%) on 06-22-04. Positive results for these two compounds should be considered estimates (J).

Continuing Calibration: The CCRFs for bis(2-chloroethoxy)methane, acenaphthene, fluorene, benzo(a)anthracene, and chrysene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-14-04 (CCV3071.D). The CCRFs for bis(2-chloroethoxy)methane, naphthalene, 2-chloronaphthalene, acenaphthene, fluorene, phenanthrene, benzo(a)anthracene, and chrysene were below the ASP required minimums but were greater than 0.010, and the %RSD for pentachlorophenol was above the allowable maximum, but was less than 100% on 07-19-04 (CCV3076.D). One sample, MW-8ARR, that was associated with these continuing calibrations is a re-extraction of a sample that is associated with acceptable calibrations; therefore, no action was taken. Two other samples, MW-6A and MW-6ARE, were associated with these continuing calibrations and represent the original and re-analysis of the same sample. Results for compounds that were outside ASP criteria should be considered estimates in samples MW-6A and MW-6ARE.

The CCRFs for target compounds were above the allowable minimum (0.050), as required. The %Ds for hexachlorocyclopentadiene (33.1%), 2,4-dinitrophenol (33.2%), 4-nitrophenol (37.2%), and pentachlorophenol (25.6%) were above the allowable maximum (25%) 07-14-04 (CCV3071.D). The %Ds for 4-chloroaniline (27.9%) was above the allowable maximum (25%) 07-08-04 (CCV3063.D). The %Ds for hexachlorocyclopentadiene (32.0%) was above the allowable maximum (25%) 07-12-04 (CCV3066.D). The %Ds for 4-nitrophenol (28.0%) and pentachlorophenol (25.7%) were above the allowable maximum (25%) 07-19-04 (CCV3076.D). Positive results for these compounds should be considered estimates (J) in associated samples.

- Blanks: Method blank SBLK33 contained a trace of bis(2-ethylhexyl)phthalate (3 ug/L). Method blank SBLK34 contained a trace of bis(2-ethylhexyl)phthalate (2 ug/L). Results for bis(2-ethylhexyl)phthalate that are less than ten times the method blank level should be reported as not detected (U) in associated samples.
- Internal Standard Area Summary: The internal standard retention times were within control limits. Two of 6 internal standard areas (IS1, IS2) for samples MW-6A and MW-6ARE were outside control limits. Results for samples MW-6A and MW-6ARE that are quantitated using internal standards IS1 and IS2 should be considered estimates (I).
- Surrogate Recovery: Two of four acid extractable surrogate recoveries for sample MW-12 were above control limits. Positive acid extractable results for sample MW-12 should be considered estimates (J).

Three of four acid extractable surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Four of four acid extractable surrogate recoveries for samples MW-6A and MW-6ARE, and 3 of 4 acid extractable surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Two of four base/neutral surrogate recoveries for sample MW-6ARE, 3 of 4 base/neutral surrogate recoveries for sample MW-6A, and 4 of 4 base/neutral surrogate recoveries for sample MW-8A were below control limits and were less than 10%. Positive results for samples MW-8A, MW-6A and MW-6ARE should be considered estimates (J) and negative results unusable (R).

- Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, but 6 of 22 %Rs (percent recoveries) were outside control limits for MS/MSD sample ZZZZZZ33. The RPDs were below the allowable maximums, but 7 of 22 %Rs were outside control limits for MS/MSD sample MW-7. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.
- Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample SBSPK43. The %R for 4-nitrophenol in sample SBSPK33 was below QC limits. The %Rs for 1,2,4-trichlorobenzene and 4-nitrophenol in sample SBSPK34 were below QC limits. The %Rs for 1,2,4-trichlorobenzene and 4-nitrophenol in sample SBSPK37 were below QC limits. Results for 1,2,4-trichlorobenzene and 4-nitrophenol should be considered estimates (J) in associated samples.
- Compound ID: Checked compounds were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in SW846.



Environmental Chemistry

Lab and Field Audits

Sampling Plans

### QA/QC Review of Pesticide Data for STL Newburgh, STL Lab No. 237960

### Ground Water Samples Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method and field blanks reported target arochlors as not detected.

<u>Surrogate Recovery</u>: One of two surrogate recoveries for samples MW-4B, MW-9B, MW-6A, and MW-6B was below advisory limits on one or both columns. Results for these samples should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent differences (RPDs) were below the allowable maximums, but 1 of 12 %Rs (percent recoveries) was outside QC limits for MS/MSD sample MW-8B. Two of 6 RPDs was below the allowable maximum and 1 of 12 %Rs was outside QC limits for MS/MSD sample ZZZZZ. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries (%Rs) were within QC limits for sample PBSPK23.

The %R for gamma-BHC and aldrin were below QC limits for soil sample PBSPK22.

Results for these two pesticides should be considered estimates (J) in associated samples.

<u>Pesticide Analytical Sequence</u>: The retention times for TCX and DCB were within control limits for both columns.

<u>Initial Calibration</u>: The %RSDs for target pesticides were below the allowable maximum (20%), as required.

Pesticide Calibration Verification Summary (PEM): The %RPDs for target pesticides were below the allowable maximum (25%), as required. The percent breakdowns were below the allowable maximums for 4,4'-DDT (20%), endrin (20%), and combined (30%), as required.

- <u>Pesticide Calibration Verification Summary (INDA & INDB)</u>: The %RPDs for target pesticides were below the allowable maximum (25%), as required.
- <u>Pesticide Identification Summary for Single Component Analytes</u>: Checked surrogate results were within GC quantitation limits. There were no detectable concentrations of target single component pesticides reported in samples contained in this data pack.
- <u>Pesticide Identification Summary for Multi-component Analytes</u>: There were no detectable concentrations of target multi-component pesticides reported in samples contained in this data pack.



Environmental Chemistry

Lab and Field Audits

Sampling Plans

#### QA/QC Review of PCB Data for STL Newburgh, STL Lab No. 237960

Ground Water Samples Collected June 30 and July 1, 2004

> Prepared by: Donald Anné August 16, 2004

Holding Times: Samples were extracted and analyzed within SW-846 holding times.

Blanks: The analyses of the method and field blanks reported target arochlors as not detected.

Surrogate Recovery: One of 2 surrogate recoveries for sample MW-11A was above advisory limits on one column. Positive results for sample MW-11A should be considered estimates (J).

One of 2 surrogate recoveries for samples MW-9B, MW-6A, and MW-6B was below advisory limits on one or both columns. Results for sample MW-9B, MW-6A, and MW-6B should be considered estimates (J).

Matrix Spike/Matrix Spike Duplicate: The relative percent difference (RPD) was below the allowable maximum (20%) and the percent recoveries (%Rs) were within QC limits (43-93%) for MS/MSD sample ZZZZ. The RPD was below the allowable maximum (35%), but 1 of 2 %Rs was above QC limits (43-93%) for MS/MSD sample MW-8B. No action is taken on MS/MSD data alone to qualify or reject an entire set of samples.

Blank Spike Recovery: The percent recoveries for arochlor-1242 were within QC limits for samples PBSPK22 and PBSPK23.

Initial Calibration: The %RSDs for PCB arochlors were below the allowable maximum (20%), as required.

PCB Analytical Sequence: The retention times for TCX and DCB were within control limits on both columns.

Continuing Calibration: The average %Ds for arochlor-1260 (19.9%) for signal #1, and arochlor-1260 (18.4%) for signal #2 were above the allowable maximum (15%) on 07-09-04 (AR166007). The average %Ds for arochlor-1016 (19.5%) for signal #1 and arochlor-1016 (19.9%) for signal #2 were above the allowable maximum (15%) on 07-12-04 (AR166007). The average %Ds for arochlor-1016 (18.2%) for signal #1 and arochlor-1016 (20.6%) for signal #2 were above the allowable maximum (15%) on 07-13-04 (AR166009). Positive results for these arochlors should be considered estimates (J) in associated samples.

<u>PCB Identification Summary for Multicomponent Analytes</u>: Checked surrogate results were within GC quantitation limits. There were no detectable concentrations of target PCB arochlors reported in samples contained in this data pack.



Data Validation

**Environmental Chemistry** 

Lab and Field Audits

Sampling Plans

### QA/QC Review of TAL Metals Data for STL Newburgh, STL Lab No: 237960

## Ground Water Samples Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

- Holding Times: The samples were analyzed within SW-846 holding times.
- <u>Initial and Continuing Calibration Verification</u>: The percent recoveries for target metals were within control limits (90-110% for all metals except 80-120% for Hg).
- <u>CRDL Standard for AA and ICP</u>: The percent recoveries for selenium were below control limits (80-120%) on 07-16-04. The result for selenium in sample MW-8B should be considered an estimate (J).
- <u>Blanks</u>: The analyses of initial and continuing calibration, and preparation blanks reported target metals as below the CRDLs, as required.
- ICP Interference Check Sample: The percent recoveries for target metals were within control limits (80-120%).
- Spike Sample Recovery: The percent recoveries for iron (46.8%) and silver (58.7%) were below control limits (75-125%) for spike sample MW-7S. The percent recoveries for iron (35.5%), lead (47.8%), selenium (21.2%), and silver (62.3%) was below control limits (75-125%) for the spike sample MW-8BS. Results for iron, lead, selenium, and silver should be considered estimates (J) in associated samples.
- <u>Duplicates</u>: The relative percent differences for lead (109.5%) and selenium (200.0%) were above the allowable maximum (20%) for duplicate sample MW-8BD. Positive results for lead and selenium should be considered estimates (I) in associated samples
- <u>Laboratory Control Sample</u>: The percent recoveries for target metals were within control limits (80-120%) for LCSs.

Standard Addition Results: No samples were quantitated by MSA in this data pack.

ICP Serial Dilution: The analyses of serial dilution samples MW-7L and MW-8BL were acceptable.

<u>Instrument Detection Limits</u>: The IDLs were at or below CRDLs, as required.



Data Validation

**Environmental Chemistry** 

Lab and Field Audits

Sampling Plans

## QA/QC Review of Cyanide Data for STL Newburgh, STL Lab No: 237960

## Ground Water Samples Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for cyanide were within control limits (85-115%).

Blanks: The analyses of initial and continuing calibration, and preparation blanks reported cyanide as not detected.

<u>Spike Sample Recovery</u>: The percent recoveries for cyanide were within control limits (75-125%) for spike samples ZZZZZS, MW-7S, and MW-8BS.

<u>Duplicates</u>: The analyses of duplicate sample pairs ZZZZZZZZZD, MW-7/MW-7D, and MW-8B/MW-8D reported cyanide as not detected, and are acceptable.

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Data Validation

Environmental Chemistry

Lab and Field Audits

Sampling Plans

#### QA/QC Review of Total Recoverable Phenolics Data for STL Newburgh, STL Lab No: 237960

## Ground Water Samples Collected June 30 and July 1, 2004

Prepared by: Donald Anné August 16, 2004

Holding Times: The samples were analyzed within SW-846 holding times.

<u>Initial and Continuing Calibration Verification</u>: The percent recoveries for total recoverable phenolics were within control limits (85-115%).

<u>Blanks</u>: The analyses of initial and continuing calibration, and method blanks reported total recoverable phenolics as not detected.

Spike Sample Recovery: The percent recoveries for total recoverable phenolics were within control limits (75-125%) for the spike samples MW-7 and MW-8B.

<u>Duplicates</u>: The analyses of duplicate samples reported total recoverable phenolics as not detected for both the sample and duplicate, and are acceptable.

<u>Laboratory Control Sample</u>: The percent recoveries for total recoverable phenolics were within control limits for the LCS.

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# ATTACHMENT 2 ANALYTICAL DATA SUMMARY PACKAGES



### SAMPLE DATA SUMMARY PACKAGE

InteGreyted International, LLC Syracuse, NY Project: Cooper 0310025P

> STL Lab. #: 237118 Matrix: Soil

> > 1 of 2

## SAMPLE 1NFORMATION Date: 06/30/2004

Job Number.: 237118

Customer...: InteGreyted International, LLC
Attn.....: Mark Schumacher

Project Number.....: 20001335 Customer Project ID...: COOPER 0310025P Project Description...: Cooper/C-H

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
237118-1	TP-5	Soil	06/08/2004	08:00	06/09/2004	15:40
237118-2	TP-4	Soil	06/08/2004	08:45	06/09/2004	15:40
237118-3	TP-19	Soil	06/08/2004	09:20	06/09/2004	15:40
237118-4	TP-12	Soil	06/08/2004	09:45	06/09/2004	15:40
237118-5	TP-17	Soit	06/08/2004	10:30	06/09/2004	15:40
237118-6	TP-18	Soil	06/08/2004	11:10	06/09/2004	15:40
237118-7	TP-16	Soil	06/08/2004	12:45	06/09/2004	15:40
237118-8	TP-13	Soil	06/08/2004	13:45	06/09/2004	15:40
237118-9	TP-14	Soil	06/08/2004	14:15	06/09/2004	15:40
237118-10	TP-15	Soil	06/08/2004	14:55	06/09/2004	15:40
237118-11	TP-2	Soil	06/07/2004	09:00	06/09/2004	15:40
237118-12	TP-1	Soil	06/07/2004	09:52	06/09/2004	15:40
237118-13	TP-8	Soil.	06/07/2004	10:30	06/09/2004	15:40
237118-14	TP-7	Soil	06/07/2004	11:15	06/09/2004	15:40
237118-15	TP-6	Soil	06/07/2004	12:45	06/09/2004	15:40
237118-16	TP-9	Soil	06/07/2004	13:45	06/09/2004	15:40
237118-17	TP-11	Soil	06/07/2004	14:50	06/09/2004	15:40
237118-18	TP-10	Soil	06/07/2004	16:00	06/09/2004	15:40
237118-19	TP-10A	Soil	06/07/2004	16:00	06/09/2004	15:40
237118-20	TP-3	Soil	06/07/2004	16:35	06/09/2004	15:40
237118-21	TP-8-WC	Soil	06/07/2004	10:30	06/09/2004	15:40
237118-22	TP-7~WC	Soil	06/07/2004	11:15	06/09/2004	15:40
237118-23	TP-6-NC	Soil	06/07/2004	12:45	06/09/2004	15:40
237118-24	TP-9-WC	Soil	06/07/2004	13:45	06/09/2004	15:40
237118-25	TP-10-WC	Soil	06/07/2004	16:00	06/09/2004	15:40
237118-26	TP-5-WC	soil	06/08/2004	08:00	06/09/2004	15:40
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EPA NY049



## SAMPLE INFORMATION Date:

Job Number.: 237118

Customer...: InteGreyted International, LLC Attn.....: Mark Schumacher

Project Number.....: 20001335 Customer Project ID...: COOPER 0310025P

Project Description...: Cooper/C-H

Laboratory Sample 1D	Customer Sample ID	Sample Metrix	Date Sampled	Time Sampled	Date Received	Time Received
237118-27	TP-17-WC	Soil	06/08/2004	10:30	06/09/2004	15:40
237118-28	TP-16-WC	Soil	06/08/2004	12:45	06/09/2004	15:40
237118-29	TP-13-WC	Soil	06/08/2004	13:45	06/09/2004	15:40
237118-30	TP-14-WC	Soil	06/08/2004	14:15	06/09/2004	15:40
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STL Newburgh 315 Fullerlon Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### CHRONICLE LABORATORY

Job Number: 237118

Date: 06/30/2004

			0740001	<b>:</b> 0		ATIN: Mark Sch	umacher	
CUSTOMER: InteGra	syted International, LLC	PROJECT: COOPER	UD 1002:	45				
		Date Re	cvd: 06	/09/2004	Sample	Date: 06/08/2	004	
Lab ID: 237118-1	Client ID: TP-5 DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
METHOD		1	70842				4415	
SW846 5030 (5g SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Cvanide, Total	1	70569			06/18/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502	70770		06/15/2004	1215	
SW846 7471A	Mercury (CVAA) Solids	1	70340	70339		06/14/2004	1230	
sw846-7471	Mercury Soil Digestion	1	70339 70362	69745		06/17/2004	1658	
SW846 6010B	Metals Analysis (ICAP)	1 1	70504	69745		06/18/2004	1620	
SW846 6010B	Metals Analysis (ICAP)	1	70901	07172		06/25/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	-1						
SH846 8082	PCB Analysis	ż	70895			06/22/2004	0000	0.9855
SW846 8082	PCB Analysis Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	70739				<b>.</b>	
QA Services	Quality Assurance Services	1	70788			06/25/2004	0000	
QA Services SW846 7740	Selenium (GFAA)	1	70440	69746		06/17/2004	1436	
SW846 8270C	Semivolatile Organics	1				07.40.40007	0000	
EPA 160.3	Solids, Total	1	69975			06/10/2004	0000	1
SW846 8260B	Volatile Organics	1	71017			06/18/2004	2016 1611	1
SW846 8260B	Volatile Organics	2	71017			06/21/2004	1011	
Jan 2000	-			(00 (200/	Comple	Date: 06/08/20	ገበሬ	
ID: 237118-2	Client ID: TP-4	Date Re	CYC: UD/	'09/2004 PREP BT		DATE/TIME A	NALYZED	DILUTION
METHOD	DESCRIPTION	KUN#	70842	FREE DI	#(3)	DATE, TIME TO	.,,_,	
	5030 Soil(5g)Prep	; 1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (GFAA) Solids	1	69745			06/10/2004	1145	
SW846 30508	Acid Digestion (ICP) Solids	1	70569			06/18/2004	0800	
SW846 9010B	Cyanide, Total Extraction Ultrasonic (Chior Pest.)	i	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	i	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502					
SW846 3550B	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1221	
SW846 7471A SW846-7471	Mercury Soil Digestion	1	70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1720	
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1642 0000	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/25/2004	0000	0.9829
SW846 8082	PCB Analysis	1	70895			06/22/2004 06/25/2004	0000	10
SW846 8082	PCB Analysis	2	70896			00/23/2004	0000	,,,
QA Services	Quality Assurance Services	1	70739		•			
QA Services	Quality Assurance Services	1	70739 70788					
QA Services	Quality Assurance Services	1 1	70766	69746		06/18/2004	1218	
SW846 7740	Selenium (GFAA)	1	10447	07170		,,		
SW846 8270C	Semivolatile Organics	1	69975			06/10/2004	0000	
EPA 160.3	Solids, Total	i	71017			06/18/2004	2050	1
SW846 82608	Volatile Organics	ż	71017			06/21/2004	1749	
SW846 8260B	Volatile Organics							
Lab ID: 237118-3	Client ID: TP-19	Date Re	cvd: 06/	09/2004	Sample	Date: 06/08/20	)04	5 *1 1 PT * 61'
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
SW846 5030 (5g		1	70842			07.440.10007	44/5	
SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 30508	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145 0800	
SW846 90108	Cvanide, Total	1	70569			06/18/2004	0000	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503			æ.	000	
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M-NY049

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGre	yted International, LLC PRO	JECT: COOPER	0310025	P		ATTN: Mark Sch	umacher	
4 3 22 277440 7	Client ID: TP-19	Date Re	cvd: 06/	09/2004	Sample	Date: 06/08/2	004	
Lab ID: 237118-3	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
METHOD	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1 1	70502					
SW846 3550B	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1223	
SW846 7471A	Mercury Soil Digestion	1	70339			06/14/2004	1230	
sw846-7471 sw846 6010B	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1724	
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1647	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/23/2004	0000	0.9881
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	2
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	۷
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788	10717		06/18/2004	1228	
SW846 7740	Selenium (GFAA)	1	70445	69746		00/10/2004	1550	
SW846 8270C	Semivolatile Organics	1	/00 <del>7</del> *			06/10/2004	0000	
EPA 160.3	Solids, Total	1	69975			06/18/2004	2124	1
SW846 8260B	Volatile Organics	1	71017			00/10/2004	L : L7	•
<b></b>				12004	Comple	Date: 06/08/2	004	
Lab ID: 237118-4	Client ID: TP-12	Date Re	cvd: 06/	PREP BT		DATE/TIME A	NALYZED	DILUTION
METHOD	DESCRIPTION		70842	ום יוצאי	H(U)	party rate A		
sw846 5030 (5g	5030 Soil(5g)Prep	1	69746			06/10/2004	1145	
SW846 30508	Acid Digestion (GFAA) Solids	1	69745			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	70569			06/18/2004	0800	
3W846 9010B	Cyanide, Total	1	70503			05, 15, 200		
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70505					
SW846 3550B	Extraction Ultrasonic (PCBs)		70502					
SW846 3550B	Extraction Ultrasonic (SVOC)	i	70340	70339		06/15/2004	1225	
SW846 7471A	Mercury (CVAA) Solids		70339	10007		06/14/2004	1230	
sw846-7471	Mercury Soil Digestion	i	70362	69745		06/17/2004	1749	
SW846 6010B	Metals Analysis (ICAP)	i	70504	69745		06/18/2004	1651	
SW846 6010B	Metals Analysis (ICAP)	i	70901			06/23/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	i	70895			06/22/2004	0000	0.9946
SW846 8082	PCB Analysis	ż	70896			06/25/2004	0000	2
SW846 8082	PCB Analysis Quality Assurance Services	1	•					
QA Services	QUALITY ASSURANCE SERVICES	i	70739					
QA Services	Quality Assurance Services	i	70788					
QA Services	Quality Assurance Services	1	70445	69746		06/18/2004	1238	
SW846 7740	Selenium (GFAA) Semivolatile Organics	1						
SW846 8270C	Semivolative digamics	1	69975			06/10/2004	0000	
EPA 160.3	Solids, Total Volatile Organics	1	71017			06/20/2004	2157	1
SW846 8260B	Votatite organics							
n. 077440-E	Client ID: TP-17	Date Re	cvd: 06/	09/2004	Sample	Date: 06/08/20	004	
Lab ID: 237118-5	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
METHOD	5030 Soil(5g)Prep	1	70842				44.7	
SW846 5030 (5g	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
	Cyanide, Total	1	70569			06/18/2004	0800	
SW846 9010B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 35508 SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502			07 745 10007	1007	
SW846 33308 SW846 7471A	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1227	
SW846-7471	Mercury Soil Digestion	1	70339			06/14/2004	1230	
	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1753	
SW846 6010B SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1656	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/23/2004	0000	
28040 000 IV	Ol Barraginal Line / Control Control							
						d"t	ann	00
)						Ü	000	U <b>y</b>
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EPA NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237118

Date: 06/30/2004

	900	DJECT: COOPE	v 0310031	50		ATTN: Mark Sch	umachec	
CUSTOMER: InteGr	eyted International, LLC PRR	JUECT: COOPE	. 05,002.	<u> </u>				
Leb ID: 237118-5	Client ID: TP-17	Date Re	ecvd: 06,	/09/2004	Sample	Date: 06/08/2	2004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME /	NALYZED	DILUTI
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9810
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	2
QA Services	Quality Assurance Services	1						
	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788					
QA Services SW846 7740	Selenium (GFAA)	1	70445	69746		06/18/2004	1248	
SW846 8270C	Semivolatile Organics	j						
EPA 160.3	Solids, Total	1	69975			06/10/2004	0000	
SW846 8260B	Volatile Organics	1	71017			06/20/2004	2232	1
ab ID: 237118-6	Client ID: TP-18	Date Re	cvd: 06/	09/2004	Sample	Date: 06/08/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTI
SW846 5030 (5g	and the second s	.1	70842					
SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Cyanide, Total	1	70569			06/18/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chior.Pest.)	1.	70503					
SW846 35508	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502					
SW846 7471A	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1229	
SW846-7471	Mercury Soil Digestion	1	70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1757	
W846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1700	
₩846 8081A	Organochlorine Pesticide Analysis	1	70901			06/25/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9946
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	10
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	i	70739					
QA Services	Quality Assurance Services	1	70788					
SW846 7740	Selenium (GFAA)	1	70445	69746		06/18/2004	1307	
SW846 8270C	Semivolatile Organics	ì						
	Solids, Total	i	69975			06/10/2004	0000	
EPA 160.3 SW846 8260B	Volatile Organics	1	71017			06/20/2004	2306	1
ab ID: 237118-7	Client ID: TP-16	Date Re	cvd: 06/	09/2004	Sample	Date: 06/08/20		
METHOD	DESCRIPTION	RUN#		PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTIO
SV846 5030 (5g	5030 Soil(5g)Prep	1	70842					
SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Cyanide, Total	1	70569			06/18/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502					
SW846 7471A	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1309	
SW846-7471	Mercury Soil Digestion	1	70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1801	
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1721	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/25/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9943
	Quality Assurance Services	i	· ·-					
QA Services	Quality Assurance Services	i	70739					
QA Services		i	70788					
QA Services	Quality Assurance Services	1	70445	69746		06/18/2004	1317	
SW846 7740	Selenium (GFAA)	1		J,, 10		,,	•	
SW846 8270C	Semivolatile Organics	i	69975			06/10/2004	0000	
EPA 160.3	Solids, Total	'	J, , 1 J					

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#### CHRONICLE LABORATORY

Job Number: 237118

Date: 06/30/2004

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CUSTOMER; InteGr	eyted International, LLC	PROJECT: COOPE	R 031002	jp.		ATTN: Mark Sci	numacher	
Lab ID: 237118-7	Client ID: TP-16	Date R	ecvd: 06.	/09/2004	Sample	Date: 06/08/2	2004	
METHOD	DESCRIPTION			PREP BT		DATE/TIME /		DILUTION
SW846 8260B	Volatile Organics	1	71017			06/21/2004	1653	1
Lab ID: 237118-8	Client ID: TP-13	Date R	ecvd: 06	09/2004	Sample	Date: 06/08/2	2004	
METHOD	DESCRIPTION			PREP BT	#(S) <sup>*</sup>	DATE/TIME A	NALYZED	DILUTION
sw846 5030 (5g		1	70842					
SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Cyanide, Total	1	70569			06/18/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505 70502					
SW846 3550B	Extraction Ultrasonic (SVOC)	1 1	70340	70339		06/15/2004	1310	
SW846 7471A	Mercury (CVAA) Solids	1	70339	10337		06/14/2004	1230	
SW846-7471	Mercury Soil Digestion Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1806	
SW846 6010B SW846 6010B	Metals Analysis (ICAP)	į	70504	69745		06/18/2004	1726	
SW846 8081A	Organochlorine Pesticide Analysis	i	70901			06/25/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9993
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	2
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788					
SW846 7740	Selenium (GFAA)	1	70445	69746		06/18/2004	1327	
W846 8270C	Semivolatile Organics	1	<b>(0075</b>			0/ /40 /200/	0000	
PA 160.3	Solids, Total	1	69975 71017			06/10/2004 06/21/2004	0000 0015	1
SW846 8260B	Volatile Organics	1	7 10 17			00/21/2004	0012	į
Lab ID: 237118-9	Client ID: TP-14			09/2004		Date: 06/08/20		
METHOD	DESCRIPTION			PREP BT	#(S)	DATE/TIME A	VALYZED	DILUTION
	5030 Soil(5g)Prep	1	70842			07 740 72007	44/5	
SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004 06/10/2004	1145 1145	
SW846 30508	Acid Digestion (ICP) Solids	1 1	69745 70569			06/18/2004	0800	
SW846 90108	Cyanide, Total	1	70503			00/10/2004	0000	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B SW846 3550B	Extraction Ultrasonic (FUDS)	1	70502					
SW846 7471A	Mercury (CVAA) Solids	i	70340	70339		06/15/2004	1312	
SW846-7471	Mercury Soil Digestion	i	70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	i	70362	69745		06/17/2004	1810	2.000
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1730	2.000
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/25/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9910
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	10
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788 70445	69746		06/18/2004	1337	
SW846 7740	Selenium (GFAA)	1	7 0447	07/40		00/10/2004	1551	
SW846 8270C	Semivolatile Organics	1	69975			06/10/2004	0000	
EPA 160.3 SW846 8260B	Solids, Total Volatile Organics	1	71017			06/21/2004	0049	1
		K.1. 6		1012001	Comple	Data: 04/09/20	30	
Lab ID: 237118-10			:vd: 06/0	PREP BT		Date: 06/08/20 DATE/TIME AN		DILUTION
METHOD	DESCRIPTION	KUN# 1	70842	LVEL DI	#(3)	PATE/TIME AN	VEICER	PILOTION
	5030 Soil(5g)Prep	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 3050B	Weig bildesciou (tos) socias	•	15			,,,	<del>-</del>	
		•					des and des	

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STL Newburgh 315 Fullerton Aversue Newburgh, NY 12550 Tel (846) 562-0890 Fax (845) 562-0841

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#### CHRONICLE LABORATORY

Job Number: 237118

Date: 06/30/2004

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CUSTOMER: InteGr	eyted International, LLC P	ROJECT: COOPE	R 031002	5P		ATTN: Mark Sci	umacher	
Lab ID: 237118-10	Client ID: TP-15			/09/2004		Date: 06/08/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME /	NALYZED	DILUTI
SW846 9010B	Cyanide, Total	1	70797			06/21/2004	0750	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1 .	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502					
SW846 7471A	Mercury (CVAA) Solids	i	70340	70339		06/15/2004	1315	
SW846-7471	Mercury Soil Digestion	1	70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1814	
SW846 6010B	Metals Analysis (ICAP)	i	70504	69745		06/18/2004	1735	
SW846 8081A	Organochlorine Pesticide Analysis	İ	70901			06/23/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9910
SW846 8082	PCB Analysis	ż	70896			06/25/2004	0000	10
	Quality Assurance Services	ī						
QA Services	Quality Assurance Services	· j	70739					
QA Services	Quality Assurance Services	i	70788					
QA Services	Quality Assurance Services	1	70445	69746		06/18/2004	1356	
SW846 7740	Selenium (GFAA)	1	, 0472	07.40		, (-,		
SW846 8270C	Semivolatile Organics	i	69975			06/10/2004	0000	
EPA 160.3	Solids, Total	i	71017			06/20/2004	0055	1
SW846 8260B	Volatile Organics Volatile Organics	2	71017			06/21/2004	0124	•
SW846 8260B	Antarire of Sailice	_						-
ab ID: 237118-11	Client ID: TP-2	Date Re	cvd: 06/	09/2004	Sample	Date: 06/07/2		DILLITA
METHOD	DESCRIPTION	RUN#		PREP BT	#(\$)	DATE/TIME A	NALTZED	DILUTI
SW846 5030 (5g	5030 Soil(5g)Prep	1	70842				44.15	
W846 3050B	Acid Digestion (GFAA) Solids	1	69746		•	06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Cyanide, Total	1	70569			06/18/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502					
SW846 7471A	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1316	
SW846-7471	Mercury Soil Digestion	1	70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1818	
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1739	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/25/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9708
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788					
SW846 7740	Selenium (GFAA)	1	70445	69746		06/18/2004	1411	
SW846 8270C	Semivolatile Organics	1						
EPA 160.3	Solids, Total	1	69975			06/10/2004	0000	
SW846 8260B	Volatile Organics	1	71017			06/20/2004	0129	1
		A-4- B-	d. 067	00 /200/	Comple	Date: 06/07/20	nn/-	
ab ID: 237118-12	Client ID: TP-1	Date Ke	CVŒ; UD/ BATCU#	PREP BT	∄(S)	DATE/TIME AN	JALYZED	DILUTIO
METHOD	DESCRIPTION		70842	LVCL DI	π(υ/	NATE / LINE AL	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	21.0710
	5030 Soil(5g)Prep	1	69746			06/10/2004	1145	
	Acid Digestion (GFAA) Solids	1				06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/21/2004	0750	
	Cyanide, Total	1	70797			00/21/2004	01.50	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502			AC 34E 30001	4740	
SW846 7471A	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1318	
	Mercury Soil Digestion	1	70339			06/14/2004	1230	
	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1823	
						6	0000	49
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#### CKRONICLE LABORATORY

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGre	yted international, LLC PROJE	CT: COOPER	0310025	iP	A	TIN: Mark Sch	unacher	
		Data Da		09/2004	Samol e	Date: 06/07/2	004	
Lab ID: 237118-12	Client ID: TP-1	Date Ke	BATCH#	PREP BT	#(S)	DATE/TIME A		DILUTION
METHOD	DESCRIPTION	1	70504	69745	,	06/18/2004	1743	
SW846 6010B	Metals Analysis (ICAP)		70901	07745		06/23/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	i	70895			06/22/2004	0000	0.9683
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	10
SW846 8082	PCB Analysis	1	10070					
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	i	70788					
QA Services	Quality Assurance Services	i	70445	69746		06/18/2004	1420	
SW846 7740	Selenium (GFAA)	į	,					
SW846 8270C	Semivolatile Organics	i	69975			06/10/2004	0000	
EPA 160.3	Solids, Total	i	71017			06/21/2004	0158	1
SW846 8260B	Volatile Organics	_						
Lab ID: 237118-13	Client ID: TP-8	Date Re	cvd: 06/	09/2004	Sample	Date: 06/07/20 DATE/TIME AI	JU4 Jai y7fa	DILUTION
METHOD	DESCRIPTION			PREP BT	#(3)	DAIC/ITHE A	INLIALD	D120,10H
SW846 5030 (5g	5030 Soil(5g)Prep	1	70842			06/10/2004	1145	
SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/21/2004	0750	
SW846 9010B	Cvanide, Total	1	70797			00/21/2004	0:50	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502 70340	70339		06/15/2004	1320	
SW846 7471A	Mercury (CVAA) Solids	1	70340 70339	10339		06/14/2004	1230	
<sup>)</sup> 5W846-7471	Mercury Soil Digestion	1	70359	69745		06/17/2004	1827	2.000
W846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1747	2.000
SW846 6010B	Metals Analysis (ICAP)	1	70901	67142		06/23/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	. 1	70895			06/22/2004	0000	0.9718
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	10
SW846 8082	PCB Analysis	1	10070		•	,,	•	
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788					
QA Services	Quality Assurance Services	1	70445	69746		06/18/2004	1440	
su846 7740	Selenium (GFAA)	i	10772	• • • • • • • • • • • • • • • • • • • •		• •		
SW846 8270C	Semivolatile Organics	i	69975		-	06/10/2004	0000	
EPA 160.3	Solids, Total	1	71017			06/21/2004	0231	1
SW846 8260B	Volatile Organics	ź	71017			06/22/2004	2335	
SW846 8260B	Volatile Organics	_						
Lab ID: 237118-14	Client ID: TP-7	Date Re	cvd: 06/	09/2004	Sample 4(0)	Date: 06/07/20 DATE/TIME AM	JU4 JAI YZEN	DILUTION
METHOD	DESCRIPTION			PREP BT	4(2)	DATE / LINE A	1/16 1 262	0.201.011
9U846 5030 (5a	5030 Soil(5g)Prep	1	70842			06/10/2004	1145	
SH846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	•
SW846 30508	Acid Digestion (ICP) Solids	1	69745			06/21/2004	0750	•
SW846 9010B	Cvanide, Total	1	70797			00/21/2004	0150	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1						
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SN846 3550B	Extraction Ultrasonic (SVOC)	1	70502	70339		06/15/2004	1322	
SH846 7471A	Mercury (CVAA) Solids	]	70340	10337		06/14/2004	1230	
SN846-7471	Mercury Soil Digestion	1	70339	69745		06/17/2004	1852	
SW846 6010B	Metals Analysis (ICAP)	1	70362 70504	69745		06/18/2004	1752	
SW846 6010B	Metals Analysis (ICAP)	. ]		07143		06/25/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/22/2004	0000	0.9839
SW846 8082	PCB Analysis	1	70895			00, 22, 2004		
QA Services	Quality Assurance Services	1	70770					
QA Services	Quality Assurance Services	]	70739					
QA Services	Quality Assurance Services	1	70788					
							000	013
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STL Newburgh is a parageSayy n Trent Laboratories, Inc.

STL Newburgh 316 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGra	eyted international, ELC	PROJECT: COOPER 03100	25P		ATIN: Mark Sch	umacher	
Lab ID: 237118-14		Date Recvd: 0			Date: 06/07/2		MILITIAN
METHOD	DESCRIPTION		# PREP BT	#(S)	DATE/TIME A 06/18/2004	1450	DILUTION
SH846 7740	Selenium (GFAA)	1 70445 1	69746		00/10/2004	1450	
SW846 8270C	Semivolatile Organics	1 69975			06/10/2004	0000	
EPA 160.3	Solids, Total Volatile Organics	1 71017			06/20/2004	0310	1
SW846 8260B SW846 8260B	Volatile Organics	2 71017			06/21/2004	0306	
Leb ID: 237118-15	Client ID: TP-6	Date Recyd: 0	5/09/2004	Sample	Date: 06/07/2	004	
METHOD	DESCRIPTION	RUN# BATCH	F PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
sw846 5030 (5g	5030 Soil(5g)Prep	1 70842			07.740.72007	44/5	
SW846 3050B	Acid Digestion (GFAA) Solids	1 69746			06/10/2004 06/10/2004	1145 1145	
SW846 3050B	Acid Digestion (ICP) Solids	1 69745 1 70797			06/21/2004	0750	
SW846 9010B	Cyanide, Total	1 70503			00/21/2004	0150	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1 70505					
SW846 3550B	Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC)	1 70502					
SW846 3550B SW846 7471A	Mercury (CVAA) Solids	1 70340	70339		06/15/2004	1324	
SW846-7471	Mercury Soil Digestion	1 70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	1 70362	69745		06/17/2004	1856	
SW846 6010B	Metals Analysis (ICAP)	1 70504	69745		06/18/2004	1756	
SW846 8081A	Organochlorine Pesticide Analysis	1 70901			06/23/2004	0000	
SW846 8082	PCB Analysis	1 70895			06/22/2004	0000	0.9759
QA Services	Quality Assurance Services	1					
4 Services	Quality Assurance Services	1 70739					
A Services	Quality Assurance Services	1 70788	(07//	•	04 /49 /200/	1459	
sy846 7740	Selenium (GFAA)	1 70445	69746		06/18/2004	1437	
SW846 8270C	Semivolatile Organics	1 1 69975			06/10/2004	0000	
EPA 160.3	Solids, Total	1 71017			06/20/2004	0452	1
SW846 8260B SW846 8260B	Volatile Organics Volatile Organics	2 71017			06/21/2004	0340	
Lab ID: 237118-16	Client ID: TP-9	Date Recvd: 06	/09/2004	Sample	Date: 06/07/20	104	
METHOD	DESCRIPTION	RUN# BATCH#	PREP BT	#(S)	DATE/TIME AN	IALYZED	DILUTION
	5030 Soil(5g)Prep	1 70842				4412	
SW846 3050B	Acid Digestion (GFAA) Solids	1 69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1 69745			06/10/2004	1145	
SW846 9010B	Cyanide, Total	1 70797			06/21/2004	0750	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1 70503 1 70505					
SW846 3550B	Extraction Ultrasonic (PCBs)	1 70502					
SW846 3550B	Extraction Ultrasonic (SVOC)	1 70502 1 70340	70339		06/15/2004	1335	
SW846 7471A	Mercury (CVAA) Solids Mercury Soil Digestion	1 70339	. 0007	•	06/14/2004	1230	
SW846-7471 SW846 6010B	Metals Analysis (ICAP)	1 70362	69745		06/17/2004	1901	
SW846 6010B	Metals Analysis (ICAP)	1 70504	69745		06/18/2004	1801	
SW846 8081A	Organochlorine Pesticide Analysis	1 70901			06/25/2004	0000	
SW846 8082	PCB Analysis	1 70895			06/22/2004	0000	0.9721
QA Services	Quality Assurance Services	1					
QA Services	Quality Assurance Services	1 70739					
QA Services	Quality Assurance Services	1 70788			07.440.40007	4500	
SW846 7740	Selenium (GFAA)	1 70445	69746		06/18/2004	1509	
SW846 8270C	Semivolatile Organics	1			04 (10 (200)	0000	
EPA 160.3	Solids, Total	1 69975			06/10/2004 06/20/2004	0600	1
	Volatile Organics	1 71017 2 71017			06/21/2004	0414	t .
SW846 8260B	Volatile Organics				• -		
Leb ID: 237118-17	Client ID: TP-11	Date Recyd: 06		Sample	Date: 06/07/20 DATE/TIME AN	11101	14 A TAIL
METHOD	DESCRIPTION	RUN# BATCH#	PREP BT	#(S)	DATE/TIME AN	ለር <b>ህ</b> ሂይይ \	· LELUK ! UN
1846 5030 (5g	5030 Soil(5g)Prep	1 70842					

SEVERN STL

PA 68-378

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGr	eyted International, LLC PR	OJECT: COOPE	R 031002	5P		ATTN: Mark Sci	numacher	
Leb ID: 237118-17	7 Client ID: TP-11	Date R	ecvd: 06	/09/2004	Sample	Date: 06/07/2	2004	
METHOD	DESCRIPTION			PREP BT		DATE/TIME A	ANALYZED	DILUTIO
SW846 3050B	Acid Digestion (GFAA) Solids	1	69746			06/10/2004		
SW846 3050B	Acid Digestion (ICP) Solids	i	69745			06/10/2004	1145	
		1	70797			06/21/2004	0750	
SW846 9010B	Cyanide, Total Extraction Ultrasonic (Chlor.Pest.)	1	70503				0.50	
SW846 3550B		. 1	70505					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70502					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70340	70339		06/15/2004	1337	
SW846 7471A	Mercury (CVAA) Solids	1	70340	10339		06/14/2004	1230	
SW846-7471	Mercury Soil Digestion	1	70339	69745		06/17/2004	1905	
SW846 6010B	Metals Analysis (ICAP)					06/18/2004	1822	
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/23/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901				0000	0.0007
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9807
QA Services	Quality Assurance Services	1	***					
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788			04 440 40004	4500	
SW846 7740	Selenium (GFAA)	1	70445	69746		06/18/2004	1529	
SW846 8270C	Semivolatile Organics	1						
EPA 160.3	Solids, Total	1	69975			06/10/2004	-0000	
SW846 82608	Volatile Organics	1	71017			06/21/2004	1749	1
Lab ID: 237118-18	Client ID: TP-10			09/2004		Date: 06/07/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALY2ED	DILUTION
	5030 Soil(5g)Prep	1	70842					
SW846 30508	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Cyanide, Total	1	70797			06/21/2004	0750	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70502					
SW846 7471A	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1339	
sw846-7471	Mercury Soil Digestion	1	70339			06/14/2004	1230	
SW846 6010B	Metals Analysis (ICAP)	1	70362	69745		06/17/2004	1909	
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1827	
SW846 8081A	Organochlorine Pesticide Analysis	i	70901			06/23/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9990
	Quality Assurance Services	i				• • • • • • • • • • • • • • • • • • • •	-	
QA Services	Quality Assurance Services	i	70739					
QA Services	Quality Assurance Services	i	70788					
QA Services		i	70445	69746		06/18/2004	1539	
SW846 7740	Selenium (GFAA)	4	,0443	57745		00,,		
SW846 8270C	Semivolatile Organics	i	69975			06/10/2004	0000	
EPA 160.3	Solids, Total	1	71017			06/21/2004	1823	1
SW846 8260B	Volatile Organics	£	1 10 11					•
Lab ID: 237118-19	Client ID: TP-10A		cvd: 06/		Sample	Date: 06/07/20		6110716
METHOD	DESCRIPTION			PREP BT	#(\$)	DATE/TIME AN	IALTZED	DILUTION
SW846 5030 (5g	5030 Soil(5g)Prep	1	70842					
SW846 30508	Acid Digestion (GFAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Cyanide, Total	1	70569			06/18/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70505					
	Extraction Ultrasonic (SVOC)	1	70502					
	Mercury (CVAA) Solids	1	70340	70339		06/15/2004	1341	
	Mercury Soil Digestion	1	70339			06/14/2004	1230	
	Metals Analysis (ICAP)	1	70362	69745	•	06/17/2004	1913	
\$W846 6010B	Herate Minthers (1974)	•					0000	4 5
								、よう
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PA 68-378

#### CHRONICLE LABORATORY

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGr	eyted International, LLC PROJ	ECT: COOPE	R 0310D2	)P		ATTN: Mark Sci	numache	Γ
Lab ID: 237118-19	Client ID: TP-10A	Date R	ecvd: 06,	/09/2004	Sample	Date: 06/07/2		
METHOD	DESCRIPTION		BATCH#		f #(S)	DATE/TIME /		
SW846 6010B	Metals Analysis (ICAP)	1	70504	69745		06/18/2004	1831	
SW846 8081A	Organochlorine Pesticide Analysis	1	70901			06/25/2004	0000	
SW846 8082	PCB Analysis	1	70895			06/22/2004	0000	0.9845
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services	1	70788					
SW846 7740	Selenium (GFAA)	i	70445	69746		06/18/2004	1549	
SW846 8270C	Semivolatile Organics	1						
EPA 160.3	Solids, Total	1	69975			06/10/2004	0000	
SW846 8260B	Volatile Organics	i	71017			06/20/2004	2047	1
5W04D 0200D	VOLULITE OF GALLICS	•						
ab ID: 237118-20	Client ID: TP-3					Date: 06/07/2	004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZEC	DILUTION
	ENTA CALL/ENTARAN	1	70842					
SW846 3050B	Acid Digestion (GEAA) Solids	1	69746			06/10/2004	1145	
SW846 3050B	Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids	1	69745			06/10/2004	1145	
SW846 9010B	Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC)	1	70797			06/21/2004	0750	
SW846 3550B	Extraction Hitrasonic (Chlor.Pest.)	1	70503					
SW846 3550B	Extraction illtraconic (PCRs)	1	70505					
SW846 3550B	Extraction Ultracomic (SVAC)	1	70502					
	Mercury (CVAA) Solids	i	70340	70339		06/15/2004	1343	
SW846 7471A	Mercury Soil Digestion	i	70339			06/14/2004	1230	
SW846-7471		i	70362	69745		06/17/2004	1918	
SW846 6010B	Metals Analysis (ICAP)	i	70504	69745		06/18/2004	1836	
V846 6010B	Metals Analysis (ICAP)	1	70901	57775		06/23/2004	0000	
W846 8081A	Organochlorine Pesticide Analysis	1	70895			06/22/2004	0000	0.9752
SW846 8082	PCB Analysis	2	70896			06/25/2004	0000	10
SW846 8082	PCB Analysis	1	70070				0000	,,,
QA Services	Quality Assurance Services	1	70739					
QA Services	Quality Assurance Services		70788					
QA Services	Quality Assurance Services	1		69746		06/18/2004	1559	
SW846 7740	Selenium (GFAA)	1	70445	09/40		00/10/2004	1227	
SW846 8270C	Semivolatile Organics	1	(0075			04/40/2007	0000	
EPA 160.3	Solids, Total	1	69975			06/10/2004		1
SW846 8260B	Volatile Organics	1	71017			06/20/2004	2121	ı
027440 04	Client ID: TP-8-WC	Note Pe	cvd: 06/0	10/2004	Samole	Date: 06/07/20	104	
ab ID: 237118-21		DIIU#	BATCH#	PREP RT	#(S)	DATE/TIME AN	ALYZED	DILUTION
METHOD	DESCRIPTION	1	69816	, , , ,		06/14/2004	1630	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71059			06/29/2004	0000	
SW846 8151A	Herbicides	i	70316			06/17/2004	1648	
SW846 1010	Ignitability (Pensky-Martens Closed-Cup)	1	70397			06/17/2004	1008	
SW846 7470A	Mercury (CVAA) Liquid Waste	i	70423	69816		06/18/2004	1937	2.000
SW846 6010B	Metals Analysis (ICAP)	1	70553	07010		06/17/2004	0000	2.127
SW846 8081A	Organochlorine Pesticide Analysis	1	71060			06/29/2004	0000	20.12.
CH 7.3.2	Reactivity CH 7.3.2	1				06/16/2004	0000	2.127
SW846 8270C	Semivolatile Organics	1	70806			00) 10/2004	5500	
SW846 1311	TCLP Extraction BN/Acids	1	70021			06/10/2004	1450	
SW846 1311	TCLP Extraction Metals	]	69738			00/10/2004	1470	
sw846 1311	TCLP Extraction Pesticides	]	70022			06/21/2004	1200	
SW846 1311	TCLP Zero Headspace Extraction	1	70541			00/21/2004	1200	
SW846 8260B	Volatile Organics	1	(00/3			04/10/200/	1755	
SW846 9045C	pH (Soil)	1	69847			06/10/2004	1355	
	all ID- TD 7 (0)	Data Da	cvd: 06/0	10/2006	Samola	Date: 06/07/20	04	
	Client ID: TP-7-WC	pate Re	.vu, 00/0	77/EUU4		DATE/TIME AN		DILUTION
ab ID: 237118-22								
METHOD	DESCRIPTION		BATCH#	PREP DI	4(2)	· · · · · · · · · · · · · · · · · · ·		D120.10K
METHOD	DESCRIPTION Acid Digestion,Total Recoverable(ICAP)	1	69816	PREP DI	#(5)	06/14/2004	1630	0000

TRENT STL NYSDOH 10142

STL Newburgh is a page Spygrn Trent Laboratories, Inc.

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

M-NY049

Job Number: 237118

CUSTOMER: InteGre	yted international, LLC PROJE	ECT: COOPE	R 03 1002	5 <b>P</b>		ATTN: Mark Sch	umacher	
				(00 (200/	Com-1	Dotal 04/07/2	ባበ/-	
Lab ID: 237118-22	Client ID: TP-7-WC	Date R	ecva: U6,	/09/2004	Sample	Date: 06/07/2		DILLITIO
METHOD	DESCRIPTION			PREP BT	#(5)	DATE/TIME A		DILUTIO
SW846 8151A	Herbicides	1 -	71059			06/29/2004	0000	
SW846 1010	Ignitability (Pensky-Martens Closed-Cup)	1	70400			06/18/2004	1539	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	70397			06/17/2004	1014	
SW846 6010B	Metals Analysis (ICAP)	1	70423	69816		06/18/2004	2015	2.000
	Organochlorine Pesticide Analysis	1	70553			06/17/2004	0000	2.127
SW846 8081A	Description of 7 3 2	1	71060			06/29/2004	0000	
CH 7.3.2	Reactivity CH 7.3.2	i	70806			06/16/2004	0000	2.127
SH846 8270C	Semivolatile Organics	i	70021					
SW846 1311	TCLP Extraction BN/Acids	i	69738			06/10/2004	1450	
sw846 1311	TCLP Extraction Metals	,				00, 10, 200 1		
sw846 1311	TCLP Extraction Pesticides		70022			06/21/2004	1200	
SW846 1311	TCLP Zero Headspace Extraction	1	70541			00/21/2004	1200	
SW846 8260B	Volatile Organics	1				04 440 42004	4750	
SW846 9045C	pH (Soil)	1	69847			06/10/2004	1358	
ab ID: 237118-23	Client ID: TP-6-WC	Date Re	cvd: 06/	09/2004	Sample	Date: 06/07/2	004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A		DILUTIO
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	69816			06/14/2004	1630	
SW846 8151A	Herbicides	1	71059			06/29/2004	0000	
	Ignitability (Pensky-Martens Closed-Cup)	i	70606			06/22/2004	0000	
SW846 1010	Ignitability (relisky-risk tells ofosco oup)	4	70397			06/17/2004	1021	
SW846 7470A	Mercury (CVAA) Liquid Waste	i	70423	69816		06/18/2004	2020	2.000
	Metals Analysis (ICAP)	1	70553	0,010		06/17/2004	0000	2.127
SW846 8081A	Organochlorine Pesticide Analysis	1	71060			06/29/2004	0000	_,,_,
*** *	Reactivity CH 7.3.2					06/18/2004	0000	2.127
	Semivolatile Organics	1	70806			00/10/2004	0000	2.121
	TCLP Extraction BN/Acids	1	70021			07 (40 /2007	1450	
SW846 1311	TCLP Extraction Metals	1	69738			06/10/2004	1450	
	TCLP Extraction Pesticides	1	70022					
	TCLP Zero Headspace Extraction	1	70541			06/21/2004	1200	
	Volatile Organics	1						
	pH (Soil)	1	69847			06/10/2004	1402	
ab the 237118-24	Client ID: TP-9-WC	Date Re	cvd: 06/	09/2004		Date: 06/07/20	004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME AN	IALYZED	DILUTION
FIE   RUD	Acid Digestion, Total Recoverable (ICAP)	1	69816			06/14/2004	1630	
	Weig bigestion, forst Kecover apreciant	1	71059			06/29/2004	0000	
SW846 8151A	Herbicides	•	70755			06/24/2004	0000	
	Ignitability (Pensky-Martens Closed-Cup)	1	70397			06/17/2004	1023	
	Mercury (CVAA) Liquid Waste	-		69816		06/18/2004	2024	2.000
SW846 6010B	Metals Analysis (ICAP)	1	70423	07010		06/17/2004	0000	2.127
SW846 8081A	Metals Analysis (ICAP) Organochlorine Pesticide Analysis	1	70553				0000	C. 1C1
CK 7.3.2	Reactivity CH 7.3.2	1	71060			06/29/2004		2 127
SW846 8270C	Semivolatile Organics	1	70806			06/16/2004	0000	2.127
SW846 1311	TCLP Extraction BN/Acids	1	70021					
	TCLP Extraction Metals	1	69738			06/10/2004	1450	
SW846 1311	TCLP Extraction Pesticides	1	70022					
	TCLP Zero Headspace Extraction	1	70541			06/21/2004	1200	
CHR/4 1711		i						
	Valetila Organice	•				06/10/2004	1406	
SW846 8260B	Volatile Organics pH (Soil)	1	69847		•			
SW846 82608 SW846 9045C	pH (Soil)			09/2004	Samole			
SW846 82608 SW846 9045C ab ID: 237118-25	pH (Soil) Client ID: TP-10-WC	Date Re	cvd: 06/			Date: 06/07/20	104	DILUTIO
SW846 8260B SW846 9045C ab ID: 237118-25 METHOD	pH (Soil) Client ID: TP-10-WC DESCRIPTION	Date Re RUN#	cvd: 06/ BATCH#	09/2004 PREP BT		Date: 06/07/20 DATE/TIME AN	04 ALYZED	DILUTIO
SW846 8260B SW846 9045C ab ID: 237118-25 METHOD	pH (Soil) Client ID: TP-10-WC	Date Re RUN# 1	cvd: 06/ BATCH# 69816			Date: 06/07/20 DATE/TIME AN 06/14/2004	04 IALYZED 1630	DILUTIO
SW846 8260B SW846 9045C ab ID: 237118-25 METHOD EPA 200.7 SW846 8151A	pH (Soil)  Client ID: TP-10-WC  DESCRIPTION Acid Digestion,Total Recoverable(ICAP) Herbicides	Date Re RUN# 1	cvd: 06/ BATCH# 69816 71059			Date: 06/07/20 DATE/TIME AN 06/14/2004 06/29/2004	004 ALYZED 1630 0000	DILUTIO
SW846 8260B SW846 9045C ab ID: 237118-25 METHOD EPA 200.7 SW846 8151A	pH (Soil)  Client ID: TP-10-WC  DESCRIPTION Acid Digestion,Total Recoverable(ICAP) Herbicides	Date Re RUN# 1	cvd: 06/ BATCH# 69816 71059 70755			Date: 06/07/20 DATE/TIME AN 06/14/2004 06/29/2004 06/24/2004	04 ALYZED 1630 0000 0000	DILUTIO
SW846 8260B SW846 9045C ab ID: 237118-25 METHOD EPA 200.7 SW846 8151A SW846 1010	pH (Soil)  Client ID: TP-10-WC  DESCRIPTION Acid Digestion, Total Recoverable(ICAP) Herbicides Ignitability (Pensky-Martens Closed-Cup)	Date Re RUN# 1	cvd: 06/ BATCH# 69816 71059 70755 70397	PREP BT		Date: 06/07/20 DATE/TIME AN 06/14/2004 06/29/2004 06/24/2004 06/17/2004	004 IALYZED 1630 0000 0000 1025	
SW846 8260B SW846 9045C ab ID: 237118-25 METHOD EPA 200.7 SW846 8151A SW846 1010 SW846 7470A	pH (Soil)  Client ID: TP-10-WC  DESCRIPTION Acid Digestion,Total Recoverable(ICAP) Herbicides	Date Re RUN# 1 1	cvd: 06/ BATCH# 69816 71059 70755			Date: 06/07/20 DATE/TIME AN 06/14/2004 06/29/2004 06/24/2004	04 ALYZED 1630 0000 0000	2.000

SEVERN STL NYSDOH 10142

STL Newburgh is a part of Septem Trent Laboratories, Inc.

STL Newburgh 315 Fulletton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

M-NY049

Date: 06/30/2004

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGre	eyted international, LLC PROJECT	CT: COOPE	031002	SP.		ATTN: Hark Sch	umacher	
Lab ID: 237118-25	G Client ID: TP-10-WC	Date Re	ecvd: 06	/09/2004	Sample	Date: 06/07/2	1004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A		DILUTIO
	Organochlorine Pesticide Analysis	1	70553			06/17/2004	0000	2.127
SW846 8081A	Organochitor the restroide Amerysis	i	71060			06/29/2004	0000	
CH 7.3.2	Reactivity CH 7.3.2	i	70806			06/17/2004	0000	2.127
SH846 8270C	Semivolatile Organics	i	70021			00, 11, 2001		
s₩846 1311	TCLP Extraction BN/Acids		69738			06/10/2004	1450	
sw846 1311	TCLP Extraction Metals	1				00/ 10/2004	1420	
sw846 1311	TCLP Extraction Pesticides	1	70022			07 (04 (0007	4200	
SW846 1311	TCLP Zero Headspace Extraction	1	70541			06/21/2004	1200	
SW846 8260B	Volatile Organics	1						
SW846 9045C	pH (Soil)	1	69847			06/10/2004	1409	
ab ID: 237118-26	Client ID: TP-5-WC			09/2004		Date: 06/08/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTI
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	· 1	69816			06/14/2004	1630	
SW846 8151A	Herbicides	1	71059			06/29/2004	0000	
	Ignitability (Pensky-Martens Closed-Cup)	i	70854			06/27/2004	1524	
sw846 1010	Ight (ab) (ity (rensky had tens crosed out)	i	70397			06/17/2004	1027	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	70423	69816		06/18/2004	2033	2.000
SW846 6010B	Metals Analysis (ICAP)		70553	070 10		06/17/2004	0000	2.127
SW846 8081A	Organochlorine Pesticide Analysis	1				06/29/2004	0000	2.161
CH 7.3.2	Reactivity CH 7.3.2	1	71060				0000	2.127
SW846 8270C	Semivolatile Organics	1	70806			06/17/2004	0000	2.121
s₩846 1311	TCLP Extraction BN/Acids	1	70125					
SW846 1311	TCLP Extraction Metals	1	69738			06/10/2004	1450	
3N846 1311	TCLP Extraction Pesticides	1	70022					
SW846 1311	TCLP Zero Headspace Extraction	1	70541		•	06/21/2004	1200	
SW846 8260B	Volatile Organics	1						
SW846 9045C	pH (Soil)	1	69847			06/10/2004	1413	
.l. th. 977440 97	Client ID: TP-17-WC	Date Re	cvd: 06/	09/2004	Samole	Date: 06/08/2	304	
ab ID: 237118-27		DI 11/1#	RATCH#	PREP BT	#(S)	DATE/TIME AL	VALYZED	DILUTIO
METHOD	DESCRIPTION	1	69816	I KE; DI	"(0)	06/14/2004	1630	
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)					06/29/2004	0000	
SW846 8151A	Herbicides	1	71059			06/27/2004	1524	
SW846 1010	Ignitability (Pensky-Martens Closed-Cup)	1	70854				1029	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	70397			06/17/2004		2.000
SW846 6010B		• 1	70423	69816		06/18/2004	2037	
SW846 8081A	Organochlorine Pesticide Analysis	1	70553			06/17/2004	0000	2.127
CH 7.3.2	Reactivity CH 7.3.2	1	71060			06/29/2004	0000	
SW846 8270C	Semivolatile Organics	1	70806			06/17/2004	0000	2.127
SW846 1311	TCLP Extraction BN/Acids	1	70125					
	TCLP Extraction Metals	i	69738			06/10/2004	1450	
SW846 1311		i	70022					
SW846 1311	TCLP Extraction Pesticides	1	70541		•	06/21/2004	1200	
sw846 1311	TCLP Zero Headspace Extraction	1	10241			00, 2., 200,		
SW846 8260B SW846 9045C	Volatile Organics pH (Soil)	1	69847		-	06/10/2004	1416	
	•	Data Da	ouds 04/	007200%	Sample	Date: 06/08/20	ነበፈ	
ab ID: 237118-28	Client ID: TP-16-WC	vate Ke	cvd: 06/	07/ EUU4 nnen nt		DATE/TIME AN		DILUTIO
METHOD	DESCRIPTION	_		PREP BT	#(5)			DILOTI
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	69816			06/14/2004	1630	
SW846 8151A	Herbicides	1	71059			06/29/2004	0000	
sw846 1010	Ignitability (Pensky-Martens Closed-Cup)	1	70959			06/29/2004	1409	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	70397			06/17/2004	1031	
	Metals Analysis (ICAP)	1	70423	69816		06/18/2004	2042	2.000
SW846 6010B	metata Anatyana (tvar/	i	70553			06/17/2004	0000	2.127
SW846 8081A	Organochlorine Pesticide Analysis	Ī				06/29/2004	0000	
CH 7.3.2	Reactivity CH 7.3.2	1	71060			06/17/2004	0000	2.127
SW846 8270C	Semivolatile Organics	7	70806			00/ 11/£004	0000	C . 161
SW846 1311	TCLP Extraction BN/Acids	1	70125					
• -								

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

CTDOHS PH-0554

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGr	eyted international, LLC PRO	JECT: COOPER	031002	5P		ATTN: Mark Sch	unacher	
Lab ID: 237118-28	3 Client ID: TP-16-WC			/09/2004		Date: 06/08/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A		DILUTION
sw846 1311	TCLP Extraction Metals	1	69738			06/10/2004	1450	
SW846 1311	TCLP Extraction Pesticides	1	70022					
SW846 1311	TCLP Zero Headspace Extraction	1	70541			06/21/2004	1200	
SW846 8260B	Volatile Organics	1						
SW846 9045C	pH (Soil)	1	69847			06/10/2004	1420	
Lab ID: 237118-29	Client ID: TP-13-WC			09/2004		Date: 06/08/20		
METHOD	DESCRIPTION	RUN#		PREP BT	#(S)	DATE/TIME A		DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	69816			06/14/2004	1630	
SW846 8151A	Herbicides	1	71059			06/29/2004	0000	
SW846 1010	Ignitability (Pensky-Martens Closed-Cup)	1	71080			06/30/2004	1336	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	70397			06/17/2004	1033	
SW846 60108	Metals Analysis (ICAP)	1	70423	69816		06/18/2004	2046	2.000
SW846 8081A	Organochlorine Pesticide Analysis	1	70553			06/17/2004	0000	2.127
CH 7.3.2	Reactivity CH 7.3.2	1	71060			06/29/2004	0000	
SW846 8270C	Semivolatile Organics	1	70806			06/17/2004	0000	2.127
SW846 1311	TCLP Extraction BN/Acids	1	70125					
SW846 1311	TCLP Extraction Metals	1	69738			06/10/2004	1450	
SW846 1311	TCLP Extraction Pesticides	1	70022					
SW846 1311	TCLP Zero Headspace Extraction	1	70541			06/21/2004	1200	
SW846 8260B	Volatile Organics	1						
SW846 9045C	pH (Soil)	1	69847			06/10/2004	1423	
ID: 237118-30	Client ID: TP-14-WC			09/2004	Sample	Date: 06/08/20		DILUTION
METHOD	DESCRIPTION			PREP BT	#(5)	DATE/TIME AN	1630	DITOLION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	69816			06/14/2004 06/29/2004	0000	
SW846 8151A	Herbicides	1	71059				1336	
SW846 1010	Ignitability (Pensky-Martens Closed-Cup)	]	71080			06/30/2004	1035	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	70397	(004/		06/17/2004 06/18/2004	2051	2.000
SW846 6010B	Metals Analysis (ICAP)	1	70423	69816		06/17/2004	0000	2.127
SW846 8081A	Organochlorine_Pesticide Analysis	1	70553			06/29/2004	0000	4.12/
CH 7.3.2	Reactivity CH 7.3.2	1	71060				0000	2.127
SW846 8270C	Semivolatile Organics	1	70806	*		06/17/2004	0000	6.161
SW846 1311	TCLP Extraction BN/Acids	1	70125			06/10/2004	1450	
sw846 1311	TCLP Extraction Metals	1	69738			06/10/2004	1450	
SW846 1311	TCLP Extraction Pesticides	1	70022			04 (24 (200)	1200	
SW846 1311	TCLP Zero Headspace Extraction	7	70541			06/21/2004	1200	
SW846 8260B	Volatile Organics	1	/00/7			06/10/2004	1427	
SW846 9045C	pH (Soil)	1	69847			00/10/2004	1427	

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- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V.50 No.3, January 4, 1985.
- Federal Register, V.49, No. 209, October 26, 1984.
- "Methods for the Determination of Organic Compounds in Drinking Water EPA/600/4-88/039, December 1988.
- Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography With Photoionization and Electrolytic Conductivity Detectors in Series, EMSL, Cincinnati, Ohio, 45268, Revision 2.0(1989).
- EPA Method for the Determination of Gasoline Range Organics, Draft, REV. 5, 2/5/92.
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol. 1, October 1995.
- USEPA CLP SOW for Organics Analysis Low Concentration Water
- USEPA CLP SOW for Organics Analysis Multi-Media, Multi-Concentration

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PA 68-378

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V. 50 No. 3, January 4, 1985.
- "Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.
- EPA Method for the Determination of Diesel Range Organics, Draft, Rev. 5, 2/5/92.
- "New York State Department of Environmental Conservation Analytical Services Proticol, Vol. 1, October 1995.
- "Analysis of Extractable Total Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection", Environmental Research Institute, University of Connecticut, March 1999.
- " Analytical Handbook for the Laboratory of Organic Analytical Chemistry", Wadsworth Center for Laboratories and Research, New York State Department of Health, August 1991.

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M-NY049

PA 68-378

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V.49, No.209, October 26, 1984.
- "Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol. 1, October 1995.

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M-NY049

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983
- "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992
- Atomic Absorption Furnace Technique
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- "Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.
- HACH8000 1979 Handbook
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol.2, October 1995.
- "Determination of Cyanide" (Macro Distillation Method in Waters), QUIK CHEM Method 10-204-00-1-A, Karin Wendt, Revised June 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218
- "Determination of Nitrate/Nitrite in Surface and Wastewaters by Flow Injection Analysis", QUICK CHEM Method 10-107041A, Karin Wendt, Revised June 24, 1997, Zellweger Analytics, Milwaukee, Wi. 53218
- "Determination of Total Recoverable Phenols by Flow Injection Analysis Colorimetry", QUIK CHEM Method 10-210-00-1-A, Ninglan Liao, Revised August 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218.
- "Determination of Nitrogen, Total Kjeldahl by Flow Injection Analysis Colorimetry" QUIK CHEM Method 10-107-06-2-D, Kevin Switala, Revised October 7, 1997, Lachat Instruments, Milwaukee, Wi 53218.

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"American Society for Testing and Materials."

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M-NY049



CTDOHS PH-0554

PA 68-378

Client: Integreyted Date: 06/29/04

STL Lab No.: 237118

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#### Volatiles

### Sample Dilution

Several samples were initially diluted at the indicated amount due to suspected high concentrations of method analytes.

Several samples were diluted and re-analyzed due to compounds that exceed the linear calibration range in the initial analysis. Sample TP-4DL (237118-002DL) was reanalyzed via methanol dilution due to compounds that exceed the linear calibration range in the initial analysis.

### Matrix Spike/Matrix Spike Duplicate

The percent recovery for several compounds in client ID TP-5 falls outside the acceptable limits. It is important to note, however, that the recovery in the associated matrix spike blank is acceptable.

#### Internal Standards

Several samples contain internal standard area counts outside the acceptable limits. As per the protocol, the samples were either re-analyzed or analyzed as a dilution.

#### Semi-Volatiles

### Surrogate Recovery

Samples TP-15 and TP-10 were re-extracted due to surrogate recovery in the initial analysis that is below the established control limits. The re-extraction was performed one day outside the 14 day holding time.

#### Method Blanks

The surrogate spiking solution was inadvertently omitted from sample number SBLK24 during sample prep.

#### Sample Dilution

Several samples were diluted and re-analyzed due to initial sample results that exceed the linear calibration range.



Client: Integreyted Date: 06/29/04

STL Lab No.: 237118 Page 2 of 4

#### Internal Standards

Due to matrix interferences, several samples contain internal standard area counts that exceed the control limits. These samples were re-injected as per the protocol.

### Tentatively Identified Compounds

The parameter carbazole is contained in the standard mixture that was used to prepare the initial calibration. Although carbazole is not a method parameter it was positively identified and quantified in several samples. Therefore, carbazole has been reported as a TIC parameter without the "J" qualifier indicating a true calculated result. It is important to note, the parameter must have an area count response that is greater than ten percent of the nearest internal standard in order to be reported as a TIC parameter.

#### Calibration

All calibrations verifications are within the NYSDEC ASP calibration criteria.

#### Pesticides/PCB's

8081

#### Surrogate Recovery

Several samples contain surrogate recovery that is outside of the advisory control limits on both analytical columns.

## Matrix Spike/Matrix Spike Duplicate

The percent recovery of some compounds in TP-5MS/MSD (237118-01MS/MSD) is outside of the acceptable control limits. However, please note the associated blank spike contains acceptable recoveries.

## Continuing Calibration

The percent RPD of several compounds in some continuing calibration standards are outside of the acceptable control limits.

#### 8082

#### Surrogate Recovery

Several samples contain surrogate recovery that is outside of the advisory control limits on both analytical columns. 000663

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Client: Integreyted
Date: 06/29/04

STL Lab No.: 237118

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#### Sample Dilutions

The following samples were diluted as indicated due to target compounds that exceed the linear calibration range:

TP-5DL(237118-01DL): 20x TP-4DL(237118-02DL): 10x TP-19DL(237118-03DL): 2x TP-12DL(237118-04DL): 2x TP-17DL(237118-05DL): 2x TP-18DL(237118-05DL): 10x TP-13DL(237118-06DL): 10x TP-13DL(237118-08DL): 2x TP-14DL(237118-09DL): 10x TP-15DL(237118-10DL): 10x TP-1DL(237118-12DL): 10x TP-8DL(237118-13DL): 10x TP-10A(237118-19DL): 10x TP-3DL(237118-19DL): 10x

#### Blank Spike

The percent recovery of aroclor 1242 in PBSPK16 is outside of the acceptable control limits.

## Matrix Spike/Matrix Spike Duplicate

The percent recovery of aroclor 1242 in TP-5MS is outside of the acceptable control limits.

## Continuing Calibration

The percent RPD of some peaks in the continuing calibration standards are outside of the acceptable control limits.

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Client: Integreyted Date: 06/29/04 STL Lab No.: 237118

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#### Inorganics

#### **ICP**

#### Matrix Spike/Duplicate

The percent spike recovery of copper, silver and zinc in spike sample number TP-5MS (237118-01MS) is outside of the established control limits. The data is qualified accordingly.

The duplicate percent RPD of chromium and iron in duplicate sample number TP-5MD (237118-01MD) is outside of the established control limits. The data is qualified accordingly.

#### Serial Dilution

The percent difference of lead in serial dilution sample number TP-5L (237118-01L) falls outside the control limit of 10%. As a result a chemical or physical interference may be suspected and the associated data is qualified with an "E".

#### Wet Chemistry

#### Cyanide

#### Matrix Spike/Duplicate

The percent spike recovery of cyanide in spike sample number TP-6MS (237118-15MS) is outside of the established control limits. The associated data is qualified accordingly.

#### Subcontract

The reactivity and herbicide analysis was subcontracted to STL-Buffalo.

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FΡΔ	SAM.	PIF	NO
$\perp$			110.

	1A		EPA SAMP	LE NO.	
	VOLATILE ORGANICS ANAL		TP-5		
Lab Name: STL N	<del></del>				
Lab Code: 10142	Case No.:	SAS No.: S	DG No.: 2371	18	
Matrix: (soil/water)		Lab Sample ID:			
Sample wt/vol:	1.0 (g/ml) G	Lab File ID:	X7893.D		
Level: (low/med)		Date Received:	6/9/2004		
% Moisture: not dec	. 19.5	Date Analyzed:	6/18/2004		
GC Column: DB-62	4 ID: 0.25 (mm)	Dilution Factor:	1.0		
Soil Extract Volume		Soil Aliquot Volu			
		Units: (ug/L or u			
CAS NO.	COMPOUND	RESU	LT Q		RL
74-87-3	Chloromethane		U		62
74-83-9	Bromomethane		U		62
75-01-4	Vinyl Chloride	-	U		62
75-00-3	011		U		62
75-09-2	Methylene Chloride		U		62
67-64-1	Acetone		87	1	62
75-15-0	Carbon Diguifida		U		62
75-35-4	1,1-Dichloroethene		U		62
75-34-4	1.1-Dichloroethane		U		62_
67-66-3	Chloroform		U		62
107-06-2	1,2-Dichloroethane		U		62_
78-93-3	2-Butanone		17 J		62
108-05-4	Vinyl Acetate		U	<del></del>	62_
71-55-6	1,1,1-Trichloroethane		U	†	62
56-23-5	Carbon Tetrachloride		U		62
75-27-4	Bromodichloromethane		U		62
78-87-5	1,2-Dichloropropane		U		62
10061-01-5	cis-1,3-Dichloropropene		U		62
79-01-6	Trichloroethene		U		62_
71-43-2	Benzene		U		62
124-48-1	Dibromochloromethane		U		62
110-75-8	2-Chloroethylvinylether		UR		62
10061-02-6	trans-1,3-Dichloropropene		U		62
79-00-5	1,1,2-Trichloroethane		U		62
75-25-2	Bromoform		U		62_
108-10-1	4-Methyl-2-Pentanone		U		62
591-78-6	2-Hexanone		U		62
127-18-4	Tetrachloroethene		U		62
79-34-5	1,1,2,2-Tetrachloroethane		U		62

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108-88-3

108-90-7

100-41-4

100-42-5

541-73-1

106-46-7

95-50-1

1330-20-7

540-59-0

U

U

J

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U

EΊ

STL Newburgh

Toluene

Styrene

Chlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

Total-1,2-Dichoroethene

Ethylbenzene

Xylenes, total

80

1600

420

22

260

3/90

62

62

62

62

62

62

62

62

62

#### 1E

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	PLE	NO.

Lab Name:	STL Ne	wburgh		Contract:	
Lab Code:	10142		Case No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/w	ater)	SOIL		Lab Sample	ID: 237118-001
Sample wt/vol	l <b>:</b>	1.0	(g/ml) <u>G</u>	Lab File ID:	X7893.D
Level: (low/m	ed)	LOW		Date Receiv	ed: 6/9/2004
% Moisture: n	ot dec.	19.5		Date Analyze	ed: 6/18/2004
GC Column: [	DB-624	ID:	0.25 (mm)	Dilution Fact	or: <u>1.0</u>
Soil Extract Volume:			(uL)	Soil Aliquot \	Volume: (
				CONCENTRATION UNI	TS:

(ug/L or ug/Kg) l

UG/KG

Number TICs found: 15

		]		
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	C7H14 isomer	18.54	890	J
2.	C9H12 isomer	19.48	880	J
3.	Unknown CnH2n+2	19.59	3700	J
4.	ethyl-methyl Benzene isomer	19.96	1100	J
5.	C11H24 isomer	20.05	1000	J
6.	ethyl-methyl Benzene isomer	20.22	1300	J
7.	Unknown Cyclohexane	20.61	1200	J
8.	Unknown CnH2n+2	20.69	790	J
9.	ethyl-methyl Benzene isomer	20.90	820	J
10.	diethyl Benzene isomer	21.30	1000	J
11.	Unknown CnH2n+2	21.45	2800	J
12.	Unknown Benzene	21.63	990	J
13.	C10H14 isomer	21.79	1000	J
14.	C11H16 isomer	22.13	1000	J
15.	ethyl-dimethyl Benzene isomer	22.41	770	J

#### 1A

### VOLATILE ORGANICS ANALYSIS DATA SHEET

EDA	SAMPL	FNO
	SMINIL	. ニョソン

Lab Name:	STL Ne	wburgh		Contract:	TP-5DL	
Lab Code:	10142	142 Case No.:		SAS No.:	SDG No.: 237118	
Matrix: (soil/\	water)	SOIL	_	Lab Sample II	D: 237118-001DL	
Sample wt/ve	ol:	0.5	(g/ml) G	Lab File ID:	X7916A.D	
Level: (low/r	ned)	LOW	_	Date Received	d: 6/9/2004	
% Moisture:	not dec.	19.5		Date Analyzed	i: <u>6/21/2004</u>	
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilution Factor	r: <u>1.0</u>	
Soil Extract \	/olume:		(uL)	Soil Aliquot Vo	olume:	(uL)

Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
---------	----------	--------	---	----

			1 1	400
74-87-3	Chloromethane		U	120
74-83-9	Bromomethane		U	120
75-01-4	Vinyl Chloride		U	120
75-00-3	Chloroethane		U	120
75-09-2	Methylene Chloride		U	120
67-64-1	Acetone	51	JD	120
75-15-0	Carbon Disulfide		U	120
75-35-4	1,1-Dichloroethene		U	120
75-34-4	1,1-Dichloroethane		U	120
67-66-3	Chloroform		U_U	120
107-06-2	1,2-Dichloroethane		U	120
78-93-3	2-Butanone		· U	120
108-05-4	Vinyl Acetate		U	120
71-55-6	1,1,1-Trichloroethane		U	120
56-23-5	Carbon Tetrachloride		U	120
75-27-4	Bromodichloromethane		U	120
78-87-5	1,2-Dichloropropane		U	120
10061-01-5	cis-1,3-Dichloropropene		U	120
79-01-6	Trichloroethene		U	120
71-43-2	Benzene		U	120
124-48-1	Dibromochloromethane		U	120
110-75-8	2-Chloroethylvinylether		UR	120
10061-02-6	trans-1,3-Dichloropropene		U_	120
79-00-5	1,1,2-Trichloroethane		U	120
75-25-2	Bromoform		U	120
108-10-1	4-Methyl-2-Pentanone		U	120
591-78-6	2-Hexanone		U	120
127-18-4	Tetrachloroethene		U	120
79-34-5	1,1,2,2-Tetrachloroethane		U	120
108-88-3	Toluene		U	120
108-90-7	Chlorobenzene		U	120
100-41-4	Ethylbenzene	830	D	120
100-42-5	Styrene	33	JD	120
541-73-1	1,3-Dichlorobenzene		U	120
106-46-7	1,4-Dichlorobenzene		U	120
95-50-1	1,2-Dichlorobenzene		U	120
1330-20-7	Xylenes, total	57	JD	120
540-59-0	Total-1,2-Dichoroethene		U	120

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FORM L VOA.
CTDOHS PH-0554

3/90 M-NY049 STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
-----	-------	------

Lab Name:	STL Ne	wburgh			Contract:		TP-4	
Lab Code:	10142		Case No.:		SAS No.:	_ s	OG No.: 237118	3
Matrix: (soil/w	ater)	SOIL			Lab Sample	ID:	237118-002	
Sample wt/vol	l:	1.0	(g/ml)	G	Lab File ID:		X7894.D	_
Level: (low/m	ed)	LOW			Date Receiv	ed:	6/9/2004	_
% Moisture: n	ot dec.	27.7			Date Analyz	ed:	6/18/2004	_
GC Column: I	DB-624	ID:	0.25 (mn	n)	Dilution Fact	tor:	1.0	_
Soil Extract Vo	olume:		(uL)		Soil Aliquot	Volur	ne:	(uL)

Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	69
74-83-9	Bromomethane		U	69
75-01-4	Vinyl Chloride		U	69
75-00-3	Chloroethane		U	69
75-09-2	Methylene Chloride	2700	E	69
67-64-1	Acetone	1000		69
75-15-0	Carbon Disulfide	,	U	69
75-35-4	1.1-Dichloroethene		U	69
75-34-4	1,1-Dichloroethane		U	69
67-66-3	Chloroform		U	69
107-06-2	1,2-Dichloroethane		U	69
78-93-3	2-Butanone		ט	69
108-05-4	Vinyl Acetate		U	69
71-55-6	1,1,1-Trichloroethane		U	69
56-23-5	Carbon Tetrachloride		U	69
75-27-4	Bromodichloromethane		J	69
78-87-5	1,2-Dichloropropane		U	69
10061-01-5	cis-1,3-Dichloropropene		U	69
79-01-6	Trichloroethene		U	69
71-43-2	Benzene	57	J	69
124-48-1	Dibromochloromethane		U	69
110-75-8	2-Chloroethylvinylether		UR	69
10061-02-6	trans-1,3-Dichloropropene		U	69
79-00-5	1,1,2-Trichloroethane		U	69
75-25-2	Bromoform		U	69
108-10-1	4-Methyl-2-Pentanone		U	69
591-78-6	2-Hexanone		U	69
127-18-4	Tetrachloroethene	11	J	69
79-34-5	1,1,2,2-Tetrachloroethane		U	69
108-88-3	Toluene	8200	<b>E 3</b>	69
108-90-7	Chlorobenzene		U	69
100-30-7	Ethylbenzene	2100	ΕJ	69
100-42-5	Styrene	45	J	69
541-73-1	1,3-Dichlorobenzene		U	69
106-46-7	1,4-Dichlorobenzene		U	69_
95-50-1	1,2-Dichlorobenzene		U	69
1330-20-7	Xylenes, total	350		69
540-59-0	Total-1,2-Dichoroethene		U	69

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Soil Extract Volume: \_\_\_\_ (uL)

#### 1E

### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-4	

Lab Name:	STL Ne	wburgh		Contract:	***	_	
Lab Code:	10142	Ca	se No.:	SAS No	.: S	DG No.: 23711	8
Matrix: (soil/v	vater)	SOIL	<del></del>	Lat	Sample ID:	237118-002	
Sample wt/vo	ol:	1.0	(g/ml) <u>G</u>	Lat	File ID:	X7894.D	-
Level: (low/n	ned)	LOW	_	Dat	te Received:	6/9/2004	_
% Moisture: r	not dec.	27.7	<u>.</u>	Dat	le Analyzed:	6/18/2004	<del>.</del>
GC Column:	DB-624	ID: <u>0.</u>	25_ (mm)	· Dilu	ution Factor:	1.0	_
Soil Extract V	/olume:		(uL)	Soi	l Aliquot Volu	me:	(uL
Number TICs	s found:	15		CONCENTRAT (ug/L or ug/Kg)	TION UNITS: UG/KG		

		1	į.	1
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	C7H8 isomer	15.15	11000	J
2.	Unknown CnH2n+2	19.58	690	J
3.	Unknown CnH2n+2	20.05	380	J
4.	Unknown Cyclohexane	20.61	370	J
5,	C11H24 isomer	20.68	410	J
6. 006975-98-0	Decane, 2-methyl-	20.80	270	JN
7.	C11H24 isomer	20.95	300	J
8.	Unknown CnH2n+2	21.44	. 1400	J
9. 003913-02-8	1-Octanol, 2-butyl-	21.79	610	JN
10.	C12H26 isomer	21.90	330	J
11.	Unknown	22.43	550	J
12.	Unknown Cyclohexane	22.47	400	J
13. 001002-43-3	Undecane, 3-methyl-	22.71	260	JN
14.	C11H20 isomer	22.78	310	J
15 000112-40-3	Dodecane	23.19	290	JN



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M-NY049

#### 1A

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EDΛ	SAMPL	E NO	
EPA	SAMIL	.E NO	,

Lab Name:	STL Ne	wburgh		Contract:	TP-4DL	
Lab Code:	10142		Case No.:	SAS No.:	SDG No.: 237118	
Matrix: (soil/v	water)	SOIL		Lab Sample	ID: <u>237118-002DL</u>	_
Sample wt/vo	ol:	4.0	(g/ml) G	Lab File ID:	W3587.D	
Level: (low/r	ned)	MED		Date Receiv	ed: 6/9/2004	
% Moisture:	not dec.	27.7		Date Analyze	ed: 6/21/2004	
GC Column:	DB-624	ID:	0.53 (mm)	Dilution Fact	or: <u>1.0</u>	
Soil Extract \	/olume:	10000	(uL)	Soil Aliquot \	/olume: 20	(uL)

Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	8600_
74-83-9	Bromomethane		U	8600
75-01-4	Vinyl Chloride		U	8600
75-00-3	Chloroethane		U	8600
75-09-2	Methylene Chloride	5400	JD _	8600
67-64-1	Acetone		U	8600
75-15-0	Carbon Disulfide		U	8600
75-35-4	1,1-Dichloroethene	•	U	8600
75-34-4	1,1-Dichloroethane		U	8600
67-66-3	Chloroform		U	8600
107-06-2	1,2-Dichloroethane		U	8600
78-93-3	2-Butanone	,	U	8600_
108-05-4	Vinyl Acetate		U	8600
71-55-6	1,1,1-Trichloroethane		U	8600
56-23-5	Carbon Tetrachloride		U	8600
75-27-4	Bromodichloromethane		U	8600
78-87-5	1,2-Dichloropropane		U	8600
10061-01-5	cis-1,3-Dichloropropene		U	8600
79-01-6	Trichloroethene		U	8600
71-43-2	Benzene		U	8600
124-48-1	Dibromochloromethane		U	8600
110-75-8	2-Chloroethylvinylether		U	8600
10061-02-6	trans-1,3-Dichloropropene		U	8600
79-00-5	1,1,2-Trichloroethane		U	8600
75-25-2	Bromoform		Ü	8600
108-10-1	4-Methyl-2-Pentanone		υ	8600
591-78-6	2-Hexanone		U	8600
127-18-4	Tetrachloroethene		U	8600
79-34-5	1,1,2,2-Tetrachloroethane		U	8600
108-88-3	Toluene	120000	D	8600
108-90-7	Chlorobenzene		U	8600
100-41-4	Ethylbenzene	15000	D	8600
100-42-5	Styrene		U [	8600
541-73-1	1,3-Dichlorobenzene		U	8600
106-46-7	1.4-Dichlorobenzene		U	8600
95-50-1	1,2-Dichlorobenzene		U	8600
1330-20-7	Xylenes, total		U	8600
540-59-0	Total-1,2-Dichoroethene		U	8600

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#### 1A

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO.
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Lab Name:	STL Ne	wburgh		Contract:	IP-19	
Lab Code:	10142		Case No.:	SAS No.: S	SDG No.: 237118	
Matrix: (soil/w	vater)	SOIL		Lab Sample ID:	237118-003	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7895.D	
Level: (low/m	ned)	LOW		Date Received:	6/9/2004	
% Moisture: r	ot dec.	20.8		Date Analyzed:	6/18/2004	
GC Column:	DB-624	ID:	0.25 (mm)	Dilution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil Aliquot Volu	ume:	(uL)
				Units: (ug/L or u	ıg/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		U	13
75-00-3	Chloroethane		U	13
75-09-2	Methylene Chloride	7	J	13
67-64-1	Acetone	9	J	13
75-15-0	Carbon Disulfide	7	J	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1,1-Dichloroethane		U	13
67-66-3	Chloroform		U	13
107-06-2	1,2-Dichloroethane		U	13
78-93-3	2-Butanone	•	· U	13
108-05-4	Vinyl Acetate		U	13
71-55-6	1,1,1-Trichloroethane		U	13
56-23-5	Carbon Tetrachloride		U	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		U	13
79-01-6	Trichloroethene		U	13
71-43-2	Benzene	2	J	13
124-48-1	Dibromochloromethane		U	13
110-75-8	2-Chloroethylvinylether		UR	13
10061-02-6	trans-1,3-Dichloropropene		U	13
	1,1,2-Trichloroethane		U	13
79-00-5	Bromoform		U	13
75-25-2	4-Methyl-2-Pentanone		Ü	13
108-10-1	2-Hexanone		U	13
591-78-6	Tetrachloroethene		U	13
127-18-4	1,1,2,2-Tetrachloroethane		U	13
79-34-5	Toluene	6	J	13
108-88-3			Ū	13
108-90-7	Chlorobenzene	. 2	J	13
100-41-4	Ethylbenzene		Ü	13
100-42-5	Styrene			13
541-73-1	1,3-Dichlorobenzene	·	U	13
106-46-7	1,4-Dichlorobenzene		U	13
95-50-1	1,2-Dichlorobenzene	5	J	13
1330-20-7	Xylenes, total	3	U	13
540-59-0	Total-1,2-Dichoroethene			

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M-NY049

PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-19	

Lab Name:	STL Ne	wburgh		Contra	ot:				
Lab Code:	10142		Case No.:	SAS	8 No.:	s	DG No.:	237118	
Matrix: (soil/v	vater)	SOIL			Lab Sar	mple ID:	237118-0	003	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>		Lab File	D:	X7895.D		
Level: (low/n	ned)	LOW			Date Re	eceived:	6/9/2004		
% Moisture: r	not dec.	20.8	··		Date Ar	nalyzed:	6/18/200	4	
GC Column:	DB-624	ID: (	0.25 (mm)		Dilution	Factor:	1.0	****	
Soil Extract V	olume:		(uL)		Soil Alic	uot Volu	me:	<del></del>	(uL)
				CONCENT					
				(ug/L or ug/l	Kg)	UG/KG			

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	9.53	10	JN
2. 000071-23-8	1-Propanol	9.97	19	JN
3.	C11H24 isomer	20.05	7	J
4.	Unknown	20.46	13	J
5.	Cyclohexene isomer	20.65	12	J
6.	Unknown	21.24	15	J
7.	C11H20 isomer	22,42	8	J
8.	C13H28 isomer	23,47	11	J
9.	Unknown CnH2n+2	24.60	13	J
10.	Unknown CnH2n+2	26.47	8	J

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Number TICs found:

10

NJDEP 73015

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

1	044201	_	NO
EPA	SAMPL	.⊨	NO.

Lab Name:	STL Newburgh		Contract:		TP-12	_;	
Lab Code:	10142			SAS No.:	SDG No.: 2371		18
Matrix: (soil/	water)	SOIL	_	Lab Sample	ID:	237118-004	
Sample wt/vol:		5.0	(g/ml) G	Lab File ID:		X7918.D	
Level: (low/med)		LOW	_	Date Receiv	ed:	6/9/2004	

 % Moisture: not dec.
 23.4
 Date Analyzed: 6/20/2004

 GC Column: DB-624
 ID: 0.25 (mm)
 Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		U	13
75-00-3	Chloroethane		U	13
75-09-2	Methylene Chloride	2	J	13
67-64-1	Acetone	32		13
75-15-0	Carbon Disulfide	2	J	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1,1-Dichloroethane		U	13
67-66-3	Chloroform		U	13
107-06-2	1,2-Dichloroethane	•	۲	13
78-93-3	2-Butanone	7	J	13
108-05-4	Vinyl Acetate		U	13
71-55-6	1,1,1-Trichloroethane		U	13
56-23-5	Carbon Tetrachloride		U	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		U	13
79-01-6	Trichloroethene		U.	13
71-43-2	Benzene	2	J	13
124-48-1	Dibromochloromethane		U	13
110-75-8	2-Chloroethylvinylether		UR	13
10061-02-6	trans-1,3-Dichloropropene		U	13
79-00-5	1,1,2-Trichloroethane		U	13
75-25-2	Bromoform		U	13
108-10-1	4-Methyl-2-Pentanone		U	13
591-78-6	2-Hexanone		U	13
127-18-4	Tetrachloroethene		U	13
79-34-5	1,1,2,2-Tetrachioroethane		U	13
108-88-3	Toluene	11	J	13
108-90-7	Chlorobenzene		U	13
100-41-4	Ethylbenzene	6	J	13
100-42-5	Styrene		U	13
541-73-1	1,3-Dichlorobenzene		U	13
106-46-7	1,4-Dichlorobenzene		U	13
95-50-1	1,2-Dichlorobenzene		U	13
540-59-0	Total-1,2-Dichoroethene		U	13
1330-20-7	Xylenes, total	45		13
1330-20-7		T		

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## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-12	

Lab Name:	STL Ne	wburgh		Contract:			
Lab Code:	10142	Ca	se No.:	SAS No.:	s	DG No.: 23711	8
Matrix: (soil/v	water)	SOIL	<u> </u>	Lab	Sample ID:	237118-004	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab	File ID:	X7918.D	_
Level: (low/n	ned)	LOW	_	Date	Received:	6/9/2004	_
% Moisture: i	not dec.	23.4		Date	Analyzed:	6/20/2004	-
GC Column:	DB-624	ID: <u>0.</u> 2	25 (mm)	Diluti	ion Factor:	1.0	_
Soil Extract V	/olume:		_ (uL)	Soil A	Aliquot Volu	me:	_ (uL
Number TICs	s found:	15		CONCENTRATION (ug/L or ug/Kg)	ON UNITS: UG/KG		

			*	ĺ
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	9.96	85	JN
2.	C7H14 isomer	13.51	870	J
3.	C7H14 isomer	13.76	88	J
4.	Cyclopentane isomer	13.87	150	J
5. 015890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1	14.09	160	JN
6.	C8H18 isomer	14.38	85	J
7.	Unknown	14.60	88	J
8.	C11H24 isomer	20.05	. 66	J
9.	Unknown CnH2n+2	20.55	68	J
10.	ethyl-dimethyl Benzene isomer	21.80	67	J
11.	ethyl-dimethyl Benzene isomer	21.91	100	<u>J</u>
12.	Unknown	22.13	66	J
13.	ethyl-dimethyl Benzene isomer	22.55	86	J
14.	ethyl-dimethyl Benzene isomer	22.64	140	J
15.	ethyl-dimethyl Benzene isomer	23.36	83	J

NJDEP 73015

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	$\sim$		_	N:/~
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Lab Name:	STL Newburgh	Contract:				
Lab Code:	10142 Case No.:	SAS No.:	SDG N	io.: <u>23711</u>	18	
Matrix: (soil/v	water) SOIL	Lab Sample II	D: <u>237</u>	118-005		
Sample wt/vo	ol: <u>5.0</u> (g/ml) <u>G</u>	Lab File ID:	X79	19.D	_	
Level: (low/n	ned) LOW	Date Receive	d: <u>6/9/</u> 2	2004	_	
% Moisture: r	not dec. 49.6	Date Analyzed	i: <u>6/20</u>	/2004		
GC Column:	DB-624 ID: 0.25 (mm)	Dilution Facto	r: <u>1.0</u>		_	
Soil Extract V	/olume: (uL)	Soil Aliquot Vo	olume:		_ (uL)	
		Units: (ug/L or				
CAS NO.	COMPOUND	RES	ULT	Q		RL
74-87-3	Chloromethane			U		20
74-83-9	Bromomethane			U		20
75-01-4	Vinyl Chloride			U		20
75-00-3	Chloroethane			U	_ <del></del> _	20
75-09-2	Methylene Chloride		2	J		20
67-64-1	Acetone		25			20
75-15-0	Carbon Disulfide			U		20
75-35-4	1,1-Dichloroethene			U		20
75-34-4	1,1-Dichloroethane			U		20
67-66-3	Chloroform			U		20
107-06-2	1,2-Dichloroethane			U		20
78-93-3	2-Butanone		7			20
108-05-4	Vinyl Acetate			U		20
71-55-6	1,1,1-Trichloroethane			U		20
56-23-5	Carbon Tetrachloride			Ų		20
75-27-4	Bromodichloromethan	e .		U		20
78-87-5	1,2-Dichloropropane			U	·	20
10061-01-5		ne		U	,	20
79-01-6	Trichloroethene			<u> </u>		20
71-43-2	Benzene		5	J		20
124-48-1	Dibromochloromethan	e		U		20
110-75-8	2-Chloroethylvinylethe	r		UR	·	20
10061-02-6	trans-1,3-Dichloroprop	ene		U		_20
79-00-5	1,1,2-Trichloroethane			U		20
75-25-2	Bromoform			U		20
108-10-1	4-Methyl-2-Pentanone			U		20
591-78-6	2-Hexanone			U		20
127-18-4	Tetrachloroethene			U		20
79-34-5	1,1,2,2-Tetrachloroeth	ane <u> </u>		U		_20
108-88-3	Toluene		3	J		20
108-90-7	Chlorobenzene		12	J_		20
100-41-4	Ethylbenzene		9	J		20
100-42-5	Styrene			U		20
541-73-1	1,3-Dichlorobenzene			U		20
106-46-7	1,4-Dichlorobenzene		13	J		20
95-50-1	1,2-Dichlorobenzene			U		20
540-59-0	Total-1,2-Dichoroether	ne		U		20
1330-20-7	Xylenes, total		34			_20

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M-NY049

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	IPLE	NO.

Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142		Case No.:	SAS No.: S	DG No.: 237118	
Matrix: (soil/v	vater)	SOIL		Lab Sample ID:	237118-005	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>	Lab File ID:	X7919.D	
Level: (low/n	ned)	LOW		Date Received:	6/9/2004	
% Moisture: 1	not dec.	49.6		Date Analyzed:	6/20/2004	
GC Column:	DB-624	ID:	0.25 (mm)	Dilution Factor:	1.0	
Soil Extract V	/olume:		(uL)	Soil Aliquot Volu	ıme:	(uL)
Number TICs	s found:	15		CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	9.95	93	JN
2.	ethyl-methyl Benzene isomer	18.73	68	J
3.	Unknown	19.36	130	J
4.	C9H12 isomer	19,61	110	J
5.	ethyl-methyl Benzene isomer	19.96	57	J
6.	C11H24 isomer	20.05	120	J
7.	trimethyl Benzene isomer	20.22	710	J
8.	Unknown CnH2n+2	20.55	55	J
9.	Unknown Cyclohexane	20.61	76	J
10.	ethyl-methyl Benzene isomer	20.90	190	J
11.	C9H10 isomer	21.24	160	J
12.	C10H18 isomer	21.43	80	J
13.	Unknown CnH2n	21.79	720	J
14.	ethyl-dimethyl Benzene isomer	21.91	92	J
15.	Unknown CnH2nO	22.77	50	J

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### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

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Lab Name:	STL Ne	wburgh	Contract:	TP-18
Lab Code:	10142	Case No.:	SAS No.: SDC	No.: 237118
Matrix: (soil/w	vater)	SOIL	Lab Sample ID: 23	37118-006
Sample wt/vo	ol:	5.0 (g/mi) G	Lab File ID: X	7920.D
Level: (low/m	ned)	LOW	Date Received: 6/	9/2004
% Moisture: n	not dec.	54.1	Date Analyzed: 6/	20/2004
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Dilution Factor: 1.	0
Soil Extract V	olume:	(uL)	Soil Aliquot Volume	e: (uL)
			Units: (ug/L or ug/K	(g) <u>UG/KG</u>
CAS NO.	(	COMPOUND	RESULT	Q

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	22
74-83-9	Bromomethane		U	22
75-01-4	Vinyl Chloride		U	22
75-00-3	Chloroethane		U	22
75-09-2	Methylene Chloride		U	22_
67-64-1	Acetone	6	J	22
75-15-0	Carbon Disulfide		U	22
75-35-4	1,1-Dichloroethene		U	22
75-34-4	1,1-Dichloroethane		U	22
67-66-3	Chloroform		U	22
107-06-2	1,2-Dichloroethane		U	22
78-93-3	2-Butanone		U	22
108-05-4	Vinyl Acetate		U	22
71-55-6	1,1,1-Trichloroethane		U	22
56-23-5	Carbon Tetrachloride		U	22
75-27-4	Bromodichloromethane		U	22
78-87-5	1,2-Dichloropropane		U	22
10061-01-5	cis-1,3-Dichloropropene		U	22
79-01-6	Trichloroethene		U	22
71-43-2	Benzene		U	22
124-48-1	Dibromochloromethane		U_	22
110-75-8	2-Chloroethylvinylether		UR	22
10061-02-6	trans-1,3-Dichloropropene		U	22
79-00-5	1,1,2-Trichloroethane		U	22
75-25-2	Bromoform		U	22
108-10-1	4-Methyl-2-Pentanone		U	22
591-78-6	2-Hexanone		U	22
127-18-4	Tetrachloroethene		U	22
79-34-5	1,1,2,2-Tetrachloroethane		U	22
108-88-3	Toluene		U	22
108-90-7	Chlorobenzene	4	J	22
100-41-4	Ethylbenzene		U	22
100-42-5	Styrene		U	22
541-73-1	1,3-Dichlorobenzene		U	22
106-46-7	1,4-Dichlorobenzene	5	J	22
95-50-1	1,2-Dichlorobenzene		U	22
1330-20-7	Xylenes, total		U	22
540-59-0	Total-1,2-Dichoroethene		U T	22

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.
TP-1	8	

Lab Name:	STL Ne	wburgh		Contract:				
Lab Code:	10142	Cas	se No.:	SAS No.:	s	DG No.:	237118	
Matrix: (soil/v	vater)	SOIL		Lab Sam	ple ID:	237118-0	006	
Sample wt/vo	ot:	5.0	(g/ml) G	Lab File	ID:	X7920.D		
Level: (low/n	ned)	LOW	_	Date Red	eived:	6/9/2004		
% Moisture:	not dec.	54.1		Date Ana	alyzed:	6/20/200	4	
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilution F	actor:	1.0		
Soil Extract V	/olume:		_ (uL)	Soil Aliqu	ot Volu	me:		(uL)
Number TICs	s found:	14		CONCENTRATION L (ug/L or ug/Kg)	JNITS: JG/KG			

			ĺ	
CAS NO.	COMPOUND NAME	RT	EST. CONC.	, Q
1. 000071-23-8	1-Propanol	9.97	33	JN
2.	C10H20 isomer	19.56	20	J
3.	Unknown	20.05	15	J
4.	Unknown CnH2n+2	20.12	12	J
5.	C9H12 isomer	20.22	19	J
6.	C13H28 isomer	20.55	19	J
7.	Unknown CnH2n+2	20.93	21	J
8.	C9H10 isomer	21.24	. 23	J
9.	C10H18 isomer	21.42	15	J
10.	Unknown	21.79	66	J
11.	ethyl-dimethyl Benzene isomer	21.91	26	J
12.	Unknown	22.14	24	J
13.	ethyl-dimethyl Benzene isomer	22.54	14	J
14.	Unknown	24.84	13	J

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO.
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Lab Name:	STL Ne	ewburgh	Contract:	TP-16	
Lab Code:	10142	Case No.:	SAS No.: S	SDG No.: 237118	
Matrix: (soil/	water)	SOIL	Lab Sample ID:	237118-007	_
Sample wt/v	ol:	5.0 (g/ml) <u>G</u>	Lab File ID:	X7917A.D	
Level: (low/r	med)	LOW	Date Received:	6/9/2004	
% Moisture:	not dec.	21.2	Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: 0.25 (mm)	Dilution Factor:	1.0	
Soil Extract \	√olume:	(uL)	Soll Aliquot Volu	ıme: (	(uL)
			Units: (ug/L or ւ	ıg/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		U	13
75-00-3	Chloroethane		U	13
75-09-2	Methylene Chloride	. 2	J	13
67-64-1	Acetone	14		13
75-15-0	Carbon Disulfide		U	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1,1-Dichloroethane		U	13
67-66-3	Chloroform		U	13
107-06-2	1,2-Dichloroethane		U	13
78-93-3	2-Butanone		U	13
108-05-4	Vinyl Acetate		U	13
71-55-6	1,1,1-Trichloroethane		U	13
56-23-5	Carbon Tetrachloride		U	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		U	13
79-01-6	Trichloroethene		U	13
71-43-2	Benzene		U	13
124-48-1	Dibromochloromethane		U	13
110-75-8	2-Chloroethylvinylether		UR	13
10061-02-6	trans-1,3-Dichloropropene		U	13
79-00-5	1,1,2-Trichloroethane		U	13
75-25-2	Bromoform		U	13
108-10-1	4-Methyl-2-Pentanone		U	13
591-78-6	2-Hexanone		U	13
127-18-4	Tetrachloroethene		U	13
79-34-5	1,1,2,2-Tetrachloroethane		U	13
108-88-3	Toluene		U	13
108-90-7	Chlorobenzene		U	13
100-90-7	Ethylbenzene		U	13
100-41-4	Styrene		U	13
541-73-1	1,3-Dichlorobenzene		U	13
106-46-7	1,4-Dichlorobenzene		Ū	13
95-50-1	1,2-Dichlorobenzene		Ü	13
1330-20-7	Xylenes, total	4	J	13
1330-20-7 540-59-0	Total-1,2-Dichoroethene		U	13

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO
TP-16	

Lab Name:	STL Ne	wburgh		Contract:	
Lab Code:	10142		Case No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/w	/ater)	SOIL		Lab Sample ID	237118-007
Sample wt/vo	l:	5.0	(g/ml) <u>G</u>	Lab File ID:	X7917A.D
Level: (low/m	ned)	LOW		Date Received:	6/9/2004
% Moisture: n	ot dec.	21.2		Date Analyzed:	6/21/2004
GC Column:	DB-624	ID:	0.25 (mm)	Dilution Factor:	1.0
Soil Extract V	olume:		(uL)	Soil Aliquot Vol	ume: (uL

**CONCENTRATION UNITS:** 

(ug/L or ug/Kg)

UG/KG

Number TICs found: 14

	•			
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1	Unknown	7.94	15	J
2. 000110-54-3	Hexane	9.53	20	JN
3. 000071-23-8	1-Propanol	9,96	370	JN
4.	C7H14 isomer	13.50	16	J
5.	Unknown	18.53	12	J
6.	C10H20 isomer	19.28	13	J
7.	C11H24 isomer	20.04	15	J
8.	C9H20 isomer	20.92	13	J
9. 000493-01-6	Naphthalene, decahydro-, cis-	21.42	15	JN
10.	C11H20 isomer	22.42	15	J
11.	C11H20 isomer	22.77	12	J
12.	C13H28 isomer	23.46	- 20	J
13.	Unknown CnH2n+2	24.60	22	J
14.	Unknown	27.58	14	7

M-NY049

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

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RL

Lab Name:	STL Ne	ewburgh		Contract:	_ [ [ ]	)	
Lab Code:	10142	Ca	se No.:	SAS No.: S	SDG No.:	237118	_
Matrix: (soil/v	water)	SOIL	······································	Lab Sample ID:	237118	-008	_
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7922.	)	
Level: (low/r	ned)	LOW	_	Date Received:	6/9/2004	4	
% Moisture:	not dec.	49.6		Date Analyzed:	6/21/200	04	
GC Column:	DB-624	ID: <u>0.2</u>	25 (mm)	Dilution Factor:	1.0		
Soil Extract V	/olume:		_ (uL)	Soil Aliquot Volu	ıme:	(u	L)
				Units: (ug/L or u	ıg/Kg) <u>UG</u>	B/KG	
CAS NO.	į	COMPOUNI	)	RESU	ILT	Q	

74-87-3	Chloromethane		Ū	20
74-83-9	Bromomethane		U	20
75-01-4	Vinyl Chloride		U	20
75-00-3	Chloroethane		U	20
75-09-2	Methylene Chloride	6	J	20
67-64-1	Acetone	17	J	20
75-15-0	Carbon Disulfide	8	J	20
75-35-4	1,1-Dichloroethene		U	20
75-34-4	1,1-Dichloroethane		U	20
67-66-3	Chloroform		υ	20
107-06-2	1,2-Dichloroethane		U	20
78-93-3	2-Butanone	4	J	20
108-05-4	Vinyl Acetate	· ·	U	20
71-55-6	1,1,1-Trichloroethane		U	20
56-23-5	Carbon Tetrachloride		U	20
75-27-4	Bromodichloromethane		U	20
78-87-5	1,2-Dichloropropane		U	20
10061-01-5	cis-1,3-Dichloropropene		Ų	20
79-01-6	Trichloroethene		U	20
71-43-2	Benzene	2	J	20
124-48-1	Dibromochloromethane		U	20
110-75-8	2-Chloroethylvinylether		UR	20
10061-02-6	trans-1,3-Dichloropropene		U	20
79-00-5	1,1,2-Trichloroethane		U	20
75-25-2	Bromoform		U	20
108-10-1	4-Methyl-2-Pentanone		U	20
591-78-6	2-Hexanone		U	20
127-18-4	Tetrachloroethene		U	20
79-34-5	1,1,2,2-Tetrachloroethane		U	20
108-88-3	Toluene	3	J	20
108-90-7	Chlorobenzene	21		20
100-41-4	Ethylbenzene		U	20
100-42-5	Styrene		U	20
541-73-1	1,3-Dichlorobenzene		U	20
106-46-7	1,4-Dichlorobenzene	22		20
95-50-1	1,2-Dichlorobenzene	2	J	20
1330-20-7	Xylenes, total	4	J	20
540-59-0	Total-1,2-Dichoroethene		U	20

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

١	EPA S	SAMPLE	NO.
	TP-13	3	

Lab Name:	STL Nev	wburgh			Contract:	,		
Lab Code:	10142	-	Case No.:		SAS No.:	S	DG No.: 237118	<u>;                                    </u>
Matrix: (soil/w	ater)	SOIL			Lab Sample I	ID:	237118-008	
Sample wt/vol	<b>:</b>	5.0	(g/ml) <u>G</u>		Lab File ID:		X7922.D	
Level: (low/m	ed)	LOW			Date Receive	ed:	6/9/2004	
% Moisture: n	ot dec.	49.6			Date Analyze	d:	6/21/2004	
GC Column: [	DB-624	ID:	0.25 (mm)		Dilution Facto	or:	1.0	
Soil Extract Vo	olume:		(uL)		Soil Aliquot V	'olui	me:	(uL
				CON	ICENTRATION UNIT	S:		

(ug/L or ug/Kg)

UG/KG

Number TICs found:	14
--------------------	----

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1	Unknown CnH2n+2	19.27	12	J
2.	Unknown	19.61	24	J
3,	Unknown CnH2n+2	20.05	18	J
4.	trimethyl Decane isomer	20,12	39	J
5.	C12H26 isomer	20.33	13	J
6.	trimethyl Decane isomer	20.55	52	J
7.	C9H20 isomer	20.93	90	J
8,	Unknown CnH2n+2	21.26	43	J
9.	ethyl-dimethyl Benzene isomer	21.91	14	J
10.	Unknown Benzene	22.14	13	J
11.	ethyl-dimethyl Benzene isomer	22.64	13	J
12.	Unknown CnH2n+2	22.76	27	J
13.	ethyl-dimethyl Benzene isomer	23.36	12	J
14. 070412-52		24.85	15	JN

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

	SAMPL	E NIO
$-\mu$	SAMPL	- 14:1

Lab Name:	STL Ne	wburgh		Contract:	TP-14
Lab Code:	10142	(	Case No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/	water)	SOIL_	·	Lab Sample ID	: 237118-009
Sample wt/v	ol:	5.0	(g/ml) G	Lab File ID:	X7923.D
Level: (low/r	med)	LOW		Date Received	: 6/9/2004
% Moisture:	not dec.	35.1		Date Analyzed:	6/21/2004
GC Column:	DB-624	ID:	0.25 (mm)	Dilution Factor:	1.0
Soil Extract \	/olume.		(ul.)	Soil Aliquot Vol	ume:

Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	15
74-83-9	Bromomethane		U	15
75-01-4	Vinyl Chloride		U	15
75-00-3	Chloroethane		U	15
75-09-2	Methylene Chloride	2	J	15
67-64-1	Acetone	2	J	15
75-15-0	Carbon Disulfide	2	J	15
75-35-4	1,1-Dichloroethene		U	15
75-34-4	1,1-Dichloroethane		U	15
67-66-3	Chloroform		U	15
107-06-2	1,2-Dichloroethane		U	15
78-93-3	2-Butanone		U	15
108-05-4	Vinyl Acetate		U _	15
71-55-6	1,1,1-Trichloroethane		U	15
56-23-5	Carbon Tetrachloride		U	15
75-27-4	Bromodichloromethane		U	15
78-87-5	1,2-Dichloropropane		U	15
10061-01-5	cis-1,3-Dichloropropene		U	15
79-01-6	Trichloroethene		U	15
71-43-2	Benzene		U	15
124-48-1	Dibromochloromethane		U	15
110-75-8	2-Chloroethylvinylether		UR	15
10061-02-6	trans-1,3-Dichloropropene		U	15
79-00-5	1,1,2-Trichloroethane		U	15
75-25-2	Bromoform		<u> </u>	15
108-10-1	4-Methyl-2-Pentanone		U	15
591-78-6	2-Hexanone		Ų	15
127-18-4	Tetrachloroethene	2	J	15
79-34-5	1,1,2,2-Tetrachloroethane		U	15
108-88-3	Toluene	2	J	15
108-90-7	Chlorobenzene	12	J	15
100-41-4	Ethylbenzene		U	15
100-42-5	Styrene		U	15
541-73-1	1,3-Dichlorobenzene		U	15
106-46-7	1,4-Dichlorobenzene	8	J	15
95-50-1	1,2-Dichlorobenzene		U	15
1330-20-7	Xylenes, total		U	15
540-59-0	Total-1,2-Dichoroethene		U	15

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tet (845) 562-0890 Fax (845) 562-0841

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SA	MP	LE	NO	١.
					_

Lab Name:	STL Ne	wburgh	Contract:	_ TP-14	
Lab Code:	10142	Case No.:	SAS No.: S	DG No.: 237118	
Matrix: (soil/v	vater)	SOIL	Lab Sample ID:	237118-009	
Sample wt/vo	ol:	5.0 (g/ml) G	Lab File ID:	X7923.D	
Level: (low/n	ned)	LOW	Date Received:	6/9/2004	
% Moisture: r	not dec.	35,1	Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: 0.25 (mm)	Dilution Factor:	1.0	
Soil Extract V	olume:	(uL)	Soil Aliquot Volu	ime:	(uL)
			CONCENTRATION LINITS:		

(ug/L or ug/Kg)

UG/KG

Number TICs found: 15

				1
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Cyclohexane	18.55	55 _	J
2.	C9H16 isomer	19.15	62	J
3.	C9H16 isomer	19.31	110	J_
4.	C10H20 isomer	19.46	61	J
5.	Unknown CnH2n	19.61	59_	J
6.	Unknown Cyclohexane	19.69	56	J
7.	C10H22 isomer	20.06	65	J
8.	trimethyl Decane isomer	20.12	. 140	J
9.	Unknown CnH2n+2	20.33	62	J_
10.	Unknown	20.55	83	J
11.	Unknown Hexane	20.93	140	J
12.	Unknown CnH2n+2	21.26	75	J
13. 000493-02-7	Naphthalene, decahydro-, trans-	21.43	110	JN
14,	ethyl-dimethyl Benzene isomer	21.91	54	J
15.	C10H14 isomer	22.13	63	<u> </u>

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	SAMPL	E NO
<b></b>	C/ 11111 L	

	TP-15
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Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 237118	}
Matrix: (soil/v	vater)	SOIL	<u>-</u> _	Lab Sample II	): <u>237118-010</u>	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7903.D	
Level: (low/n	ned)	LOW	_	Date Received	i: 6/9/2004	
% Moisture: r	not dec.	48.7		Date Analyzed	: 6/20/2004	
GC Column:	DB-624	ID: <u>0.</u>	25 (mm)	Dilution Factor	: 1.0	
Soil Extract V	/olume:		(uL)	Soil Aliquot Vo	lume:	(uL)
				Units: (ug/L or	ug/Kg) <u>UG/KG</u>	_

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	19
74-83-9	Bromomethane		U	19
75-01-4	Vinyl Chloride		U	19
75-00-3	Chloroethane		U	19
75-09-2	Methylene Chloride	10	J	19
67-64-1	Acetone	11	J	19
75-15-0	Carbon Disulfide	8	J	19
75-35-4	1.1-Dichloroethene		U	19
75-34-4	1,1-Dichloroethane		U	19
67-66-3	Chloroform		U	19
107-06-2	1,2-Dichloroethane		U	19
78-93-3	2-Butanone		U	19
108-05-4	Vinyl Acetate		U	19
71-55-6	1,1,1-Trichloroethane		U	19
56-23-5	Carbon Tetrachloride		U	19
75-27-4	Bromodichloromethane		U	19
78-87-5	1,2-Dichloropropane		U	19
10061-01-5	cis-1,3-Dichloropropene		U	19
79-01-6	Trichloroethene		U	19
71-43-2	Benzene	2	J	19
124-48-1	Dibromochloromethane		U	19
110-75-8	2-Chloroethylvinylether		υR	19
10061-02-6	trans-1,3-Dichloropropene		U `	19
79-00-5	1,1,2-Trichloroethane		U	19
75-25-2	Bromoform		U	19
108-10-1	4-Methyl-2-Pentanone		បង	19
591-78-6	2-Hexanone		บ ม	19
127-18-4	Tetrachloroethene		∪ <b>2</b>	19
79-34-5	1,1,2,2-Tetrachloroethane		ο 2	19
108-88-3	Toluene	3	JJ	19
108-90-7	Chlorobenzene	5	12	19
100-41-4	Ethylbenzene		<u>n</u> 2	19
100-42-5	Styrene		U 3	19
541-73-1	1,3-Dichlorobenzene		υJ	19
106-46-7	1,4-Dichlorobenzene	4	1 <b>2</b>	19
95-50-1	1.2-Dichlorobenzene		n 2 1 2	19
540-59-0	Total-1,2-Dichoroethene		บร	19
1330-20-7	Xylenes, total		U <b>J</b>	19

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-15	

Lab Name: STL	Newburgh	Contract:		
Lab Code: 101	42 Case No.:	SAS No.:	SDG No.: 237	118
Matrix: (soil/water)	SOIL	Lab Sample ID	: 237118-010	
Sample wt/vol:	5.0 (g/ml) G	Lab File ID:	X7903.D	
Level: (low/med)	LOW	Date Received	: 6/9/2004	
% Moisture: not de	ec. 48.7	Date Analyzed:	6/20/2004	
GC Column: DB-6	624 ID: 0.25 (mm)	Dilution Factor:	1.0	
Soil Extract Volum		Soil Aliquot Vol	ume:	(uL)
Number TICs four	nd: 2	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG		
CAS NO.	COMPOUND NAME	RT E	ST. CONC.	Q
1. 000071-23-	3 1-Propanol	9.97	23	JŅ
2. 000629-59-		26.85	15	JN_

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

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Lab Name:	STL Ne	wburgh	Contract:	IP-15RE	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237118	
Matrix: (soil/v	vater)	SOIL	Lab Sample I	D: 237118-010RE	
Sample wt/vo	oi:	5.0 (g/ml) <u>C</u>	Lab File ID:	X7924.D	
Level: (low/n	ned)	LOW	Date Receive	ed: 6/9/2004	
% Moisture: r	not dec.	48.7	Date Analyze	d: 6/21/2004	
GC Column:	DB-624	ID: 0.25 (mm	) Dilution Facto	or: 1.0	
Soil Extract Volume:		(uL)	Soil Aliquot V	olume:	(uL)
		·	Units: (ug/L o	r ug/Kg) UG/KG	_

74-87-3Chloromethane74-83-9Bromomethane75-01-4Vinyl Chloride75-00-3Chloroethane	ride 7	U U	19 19 19
74-83-9 Bromomethane 75-01-4 Vinyl Chloride	144	U	19
75-01-4 Vinyl Chloride	144	U	
	144		
	144		19
75-09-2 Methylene Chlo	40	JJ	19
67-64-1 Acetone	13	J	19
75-15-0 Carbon Disulfide	8	J	19
75-35-4 1,1-Dichloroethe		U_	19
75-34-4 1,1-Dichloroetha		U	19
67-66-3 Chloroform		U	19
107-06-2 1,2-Dichloroetha	ine	U	19
78-93-3 2-Butanone		U	19
108-05-4 Vinyl Acetate		U	19
71-55-6 1,1,1-Trichloroe	hane	U	19
56-23-5 Carbon Tetrach		U	19
75-27-4 Bromodichlorom		U	19
78-87-5 1,2-Dichloropror		U	19
10061-01-5 cis-1,3-Dichloro		U	19
79-01-6 Trichloroethene		U	19
71-43-2 Benzene		U	19
124-48-1 Dibromochlorom	ethane	U	19
110-75-8 2-Chloroethylvin		UR	19
10061-02-6 trans-1,3-Dichlo		U	19
79-00-5 1,1,2-Trichloroe		U	19
75-25-2 Bromoform		U	19
108-10-1 4-Methyl-2-Pent	anone	UJ	19
591-78-6 2-Hexanone		UJ	19
127-18-4 Tetrachloroether	ne	U 3	19
79-34-5 1,1,2,2-Tetrachle		0.2	19
108-88-3 Toluene	2	17	19
108-90-7 Chlorobenzene	4	1.2	19
100-41-4 Ethylbenzene		U 3	19
100-42-5 Styrene		U 2	19
541-73-1 1,3-Dichloroben:	zene	U 2	19
106-46-7 1,4-Dichloroben:		17	19
95-50-1 1,2-Dichloroben:		υ 3	19
1330-20-7 Xylenes, total		0.2	19
540-59-0 Total-1,2-Dichor	pethene	0.2	19

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAME	PLE	NO.

JN

Lab Manas	CT! No	whereh		Contra	net:	IP-15RE	I
Lab Name:	STL Ne	wourgn		Contra	.Ci.		
Lab Code:	10142	Cas	se No.:	SAS	8 No.:	SDG No.: <u>237</u>	118
Matrix: (soil/w	vater)	SOIL	_		Lab Sample	ID: <u>237118-010R</u>	₹E
Sample wt/vo	ol:	5.0	(g/ml) G		Lab File ID:	X7924.D	
Level: (low/m	ned)	LOW	_		Date Receiv	ved: 6/9/2004	
% Moisture: r	not dec.	48.7			Date Analyz	zed: 6/21/2004	
GC Column:	DB-624	ID: <u>0.2</u>	5 (mm)		Dilution Fac	tor: 1.0	
Soil Extract V	olume:		_ (uL)		Soil Aliquot	Volume:	(uL)
Number TICs	found:	1		CONCENTF (ug/L or ug/l	RATION UNI Kg) <u>UG</u> /		
CAS NO.		COMPOU	ND NAME		RT	EST. CONC.	Q

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M-NY049

NJDEP 73015

1. 000071-23-8

1-Propanol

9.96

	CAL	MDI	⊏	NO
EPA	OA	VIIT L	-⊏	INO.

RL

	,	VOLATILE	ORGANICS AN	ALYSIS DATA SHEET				
Lab Name:	STL Ne	wburgh		Contract:		TP-2		
Lab Code:	10142	Ca	ase No.:	SAS No.:	si	OG No.:	23711	8
Matrix: (soil/	water)	SOIL		Lab Sample	e ID:	237118-	011_	
Sample wt/v	ol:	5.0	(g/ml) G	Lab File ID	;	X7904.D	)	_
Level: (low/r	med)	LOW		Date Recei	ved:	6/9/2004		
% Moisture:	not dec.	23.7		Date Analys	zed:	6/20/200	4	
GC Column:	DB-624	ID: 0.	.25 (mm)	Dilution Fac	ctor:	1.0		_
Soil Extract \	√olume:		 (uL)	Soil Aliquot	Volun	ne:		_ (uL)
				Units: (ug/L	or ug	/Kg) <u>UG</u>	/KG	
CAS NO.		COMPOUN	ID .	R	ESUL	.T	Q	
74-87-3		Chlorome	thane				U	

CAS NO.		•		
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		U	13
75-00-3	Chloroethane		U	13
75-09-2	Methylene Chloride	3	J	13
67-64-1	Acetone	30		13
75-15-0	Carbon Disulfide		U	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1,1-Dichloroethane		U	13
67-66-3	Chloroform		U	13
107-06-2	1,2-Dichloroethane		U	13
78-93-3	2-Butanone	4	J	13
108-05-4	Vinyl Acetate		U	13
71-55-6	1,1,1-Trichloroethane		U	13
56-23-5	Carbon Tetrachloride		٦	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		U	13
79-01-6	Trichloroethene		U	13
71-43-2	Benzene		U	13
124-48-1	Dibromochloromethane		U	13
110-75-8	2-Chloroethylvinylether		UR	13_
10061-02-6	trans-1,3-Dichloropropene		U	13
79-00-5	1,1,2-Trichloroethane		U	13
75-25-2	Bromoform		U	13
108-10-1	4-Methyl-2-Pentanone		U	13
591-78-6	2-Hexanone		U	13
127-18-4	Tetrachloroethene		U	13
79-34-5	1,1,2,2-Tetrachloroethane		U	13
108-88-3	Toluene		U _	13
108-90-7	Chlorobenzene		U	13
100-41-4	Ethylbenzene		U	13
100-42-5	Styrene		U	13
541-73-1	1,3-Dichlorobenzene		U	13
106-46-7	1,4-Dichlorobenzene		U	13
95-50-1	1,2-Dichlorobenzene		U	13
1330-20-7	Xylenes, total	11	j	13
540-59-0	Total-1,2-Dichoroethene		U	13

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAIVIPLE	IN	U.
TP-2		

Lab Name:	STL Ne	wburgh		Contract:			
Lab Code:	10142	(	Case No.:	SAS No.: _	s	DG No.: 237118	3
Matrix: (soil/v	vater)	SOIL		Lab Sa	ample ID:	237118-011	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>	Lab Fi	le ID:	X7904.D	
Level: (low/n	ned)	LOW		Date F	Received:	6/9/2004	
% Moisture: r	not dec.	23.7		Date A	\nalyzed:	6/20/2004	
GC Column:	DB-624	ID:	0.25 (mm)	Dilutio	n Factor:	1.0	
Soil Extract V	/olume:		(uL)	Soil Al	iquot Volu	me:	(uL)
Number TICs	s found:	13		CONCENTRATION (ug/L or ug/Kg)	N UNITS: UG/KG		

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	9.96	28	JN
2. 004516-69-2	Cyclopentane, 1,1,3-trimethyl-	13.44	12	JN
3.	C7H14 isomer	13.50	57	J
4.	1,2,4-trimethyl Cyclopentane iso	13.87	7	J
5.	1,2,3-trimethyl Cyclopentane iso	14.09	8	J
6.	Unknown CnH2n	16.47	7	J
7.	ethyl-methyl Cyclohexane isomer	18.09	7	J
8.	Unknown CnH2n	18.55	8	J
9. 000098-82-8	Benzene, (1-methylethyl)-	18.72	12	JN
10.	C10H20 isomer	19.55	17	J
11.	C10H18 isomer	19.81	21	J
12.	C10H18 isomer	21.42	7	J
13.	Unknown	22.13	9	J

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SAMPL	E NO.
-----	-------	-------

Lab Name:	STL Ne	wburgh	Contract:	TP-1	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: <u>237118</u>	
Matrix: (soil/	water)	SOIL	Lab Sample ID	: 237118-012	
Sample wt/v	ol:	5.0 (g/ml) <u>G</u>	Lab File ID:	X7925.D	
Levei: (low/r	med)	LOW	Date Received:	6/9/2004	
% Moisture:	not dec.	25.2	Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.0	
Soil Extract \	Volume:	(uL)	Soll Aliquot Volume:		(uL)
		-	Units: (ug/L or u	ıg/Kg) <u>UG/KG</u>	_

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		U	13
75-00-3	Chloroethane		U	13
75-09-2	Methylene Chloride	2	J	13
67-64-1	Acetone	17		13
75-15-0	Carbon Disulfide	3	7	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1,1-Dichloroethane		U	13
67-66-3	Chioroform		U	13
107-06-2	1,2-Dichloroethane		U	13
78-93-3	2-Butanone	2	J	13
108-05-4	Vinyl Acetate		U	13
71-55-6	1,1,1-Trichloroethane		U	13
56-23-5	Carbon Tetrachloride		U	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		Ü	13
79-01-6	Trichloroethene		U	13
71-43-2	Benzene		U	13
124-48-1	Dibromochloromethane		U	13
110-75-8	2-Chloroethylvinylether		UR	13
10061-02-6	trans-1,3-Dichloropropene		U	13
79-00-5	1,1,2-Trichloroethane		U	13
75-25-2	Bromoform		U	13
108-10-1	4-Methyl-2-Pentanone		U	13
591-78-6	2-Hexanone		U	13
127-18-4	Tetrachloroethene		U	13
79-34-5	1,1,2,2-Tetrachloroethane		U	13
108-88-3	Toluene		U	13
108-90-7	Chlorobenzene	•	U	13
100-41-4	Ethylbenzene		U	13
100-42-5	Styrene		U	13
541-73-1	1,3-Dichlorobenzene		U	13
106-46-7	1,4-Dichlorobenzene		U	13
95-50-1	1,2-Dichlorobenzene		U	13
540-59-0	Total-1,2-Dichoroethene		U	13
1330-20-7	Xylenes, total		U	13

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

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M-NY049

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-1	

Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 23711	8
Matrix: (soil/v	vater)	SOIL	<del></del>	Lab Sample	ID: 237118-012	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7925.D	_
Level: (low/n	ne <b>d</b> )	LOW	_	Date Receive	ed: 6/9/2004	-
% Moisture: r	not dec.	25.2		Date Analyze	ed: 6/21/2004	_
GC Column:	DB-624	ID: <u>0.</u> :	25 (mm)	Dilution Factor	or: <u>1.0</u>	_
Soil Extract V	/olume:		_ (uL)	Soil Aliquot V	/olume:	(uL

#### **CONCENTRATION UNITS:**

(ug/L or ug/Kg)

UG/KG

Number TICs found:

		1		
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	C12H26 isomer	21.79	30	J
2. 1000152-47-3	trans-Decalin, 2-methyl-	22.43	44	JN
3.	Unknown Cyclohexane	22.48	31	J
4.	C11H20 isomer	22.78	33	J
5.	methyl (methylethyl) Benzene iso	23.35	38	J
6.	C13H28 isomer	23.47	100	J
7.	Unknown	23.66	40	J
8.	Unknown CnH2n	24.43	. 32	J
9.	Unknown CnH2n+2	24.61	100	J
10.	Unknown	25.43	36	J
11.	Unknown	25.58	60	J
12.	Unknown CnH2n+2	26.47	32	J
13.	tetrahydro Naphthalene isomer	26.87	47	J
14.	Unknown	27.03	30	J
15. 080655-44-3	Decahydro-4,4,8,9,10-pentameth	27.59	78	JN

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PA 68-378

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

FPA	SAMPL	E NO.
	O/ 11711 P	

Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142	с	ase No.:	SAS No.: S	SDG No.: 237118	<u> </u>
Matrix: (soil/v	vater)	SOIL	_	Lab Sample ID:	237118-013	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>	Lab File ID:	X7926.D	
Level: (low/n	ned)	LOW		Date Received:	6/9/2004	
% Moisture: r	not dec.	29.9		Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: 0	).25 (mm)	Dilution Factor:	1.0	
Soil Extract V	/olume:		(uL)	Soil Aliquot Vol	ume:	(uL)
				Units: (ug/L or ι	ıg/Kg) <u>UG/KG</u>	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	14
74-83-9	Bromomethane		U	14
75-01-4	Vinyl Chloride		J	14
75-00-3	Chloroethane	49		14
75-09-2	Methylene Chloride	4	J	14
67-64-1	Acetone	220		14
75-15-0	Carbon Disulfide	9	J	1 <u>4</u>
75-35-4	1.1-Dichloroethene	•	U	14
75-34-4	1,1-Dichloroethane		U	14
67-66-3	Chloroform		U	14
107-06-2	1,2-Dichloroethane		U	14
78-93-3	2-Butanone	29	•	14
108-05-4	Vinyl Acetate		U	14
71-55-6	1,1,1-Trichloroethane		U 3	14
56-23-5	Carbon Tetrachloride		บวั	14
75-27-4	Bromodichloromethane		<u> </u>	14
78-87-5	1,2-Dichloropropane		$\cup$ $\cup$	14
10061-01-5	cis-1,3-Dichloropropene	•	U 3	14
79-01-6	Trichloroethene		U 3	14
71-43-2	Benzene	2	J 3	14
124-48-1	Dibromochloromethane		∩ ,2	14
110-75-8	2-Chloroethylvinylether		URUJ	14
10061-02-6	trans-1,3-Dichloropropene		<u>U 3  </u>	14
79-00-5	1,1,2-Trichloroethane		n <u>2</u>	14
75-25-2	Bromoform		U 3	14
108-10-1	4-Methyl-2-Pentanone	5	J 3	14
591-78-6	2-Hexanone		U .2	14
127-18-4	Tetrachloroethene		0.2	14
79-34-5	1,1,2,2-Tetrachloroethane		U 3	14
108-88-3	Toluene	8	17	14
108-90-7	Chlorobenzene		U 2	14
100-41-4	Ethylbenzene	2	J <u>2</u>	14
100-41-4	Styrene		0.2	14
541-73-1	1,3-Dichlorobenzene		ŬŽ	14
106-46-7	1,4-Dichlorobenzene		U 2	14
95-50-1	1,2-Dichlorobenzene		U Z	14
1330-20-7	Xylenes, total	21		14
540-59-0	Total-1,2-Dichoroethene		U ス	14

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-8	

Lab Name:	STL Ne	wburgh		Contract:	
Lab Code:	10142	C	ase No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL		Lab Sample ID	): <u>237118-013</u>
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7926.D
Level: (low/n	ned)	LOW	_	Date Received	6/9/2004
% Moisture: 1	not dec.	29.9		Date Analyzed	6/21/2004
GC Column:	DB-624	ID: 0	.25 (mm)	Dilution Factor	: 1.0
Soil Extract V	/olume:		(uL)	Soil Aliquot Vo	lume: (u
Number TICs	s found:	14		CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	

<del></del>		T		
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 004516-69-2	Cyclopentane, 1,1,3-trimethyl-	13.44	63	JN
2.	C7H14 isomer	13.50	95	J
3, 016883-48-0	Cyclopentane, 1,2,4-trimethyl-, (1	13.87	42	JN
4. 015890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1	14.09	35	JN
5.	C8H16 isomer	15.51	34	J
6.	(cyclohexylmethyl) Cyclohexane i	19.60	150	J
7.	Unknown CnH2n+2	20.93	34	J
8.	ethyl-dimethyl Benzene isomer	21.91	30	_J
9.	ethyl-dimethyl Benzene isomer	22.55	36	J
10.	ethyl-dimethyl Benzene isomer	23.36	33	J
11,	C13H28 isomer	23.47	48	J
12.	Unknown CnH2n+2	24.61	61	J
13.	Unknown CnH2n+2	26.47	72	J
14	Unknown CnH2n+2	26.85	35	J

3/90

EPA SAMPLE N	C	Ν	E	PL	М	Α	S	Α	P	E
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RL

	,	VOLATILE (	ORGANICS AN	ALYSIS DATA SHEET		TD 005	
Lab Name:	STL Ne	wburgh		Contract:		TP-8RE	
Lab Code:	10142	Ca	se No.:	SAS No.:	SD	G No.: 23711	8
Matrix: (soil/	water)	SOIL	_	Lab Sample	ID: <u>2</u>	237118-013RE	
Sample wt/v	ol:	5.0	(g/ml) G	Lab File ID:	<u>&gt;</u>	K7935.D	_
Level: (low/i	med)	LOW		Date Receive	ed: _6	6/9/2004	_
% Moisture:	not dec.	29.9		Date Analyze	ed: <u>6</u>	5/22/2004	-
GC Column:	DB-624	ID: 0.	25 (mm)	Dilution Factor	or: <u>1</u>	.0	-
Soil Extract \	Volume:		(uL)	Soil Aliquot V	/olum	e:	(uL)
				Units: (ug/L o	or ug/	Kg) <u>UG/KG</u>	
CAS NO.		COMPOUN	D	RE	SULT	r Q	
74-87-3		Chloromet	hane			n <u>1</u>	
74-83-9		Bromomet	hane			_ U J	

74-87-3	Chloromethane		0 2 0 2	14
74-83-9	Bromomethane		υ 3	14
75-01-4	Vinyl Chloride		0.2	14
75-00-3	Chloroethane	22	3	14
75-09-2	Methylene Chloride	4	1 3	14
67-64-1	Acetone	100_	3	14
75-15-0	Carbon Disulfide	9	12	14
75-35-4	1,1-Dichloroethene		U J	14
75-34-4	1,1-Dichloroethane		U 3	14
67-66-3	Chloroform		υ <b>2</b>	14
107-06-2	1,2-Dichloroethane		0.2	14
78-93-3	2-Butanone	8	J 2	14
108-05-4	Vinyl Acetate		n 2	14
71-55-6	1,1,1-Trichloroethane			14
56-23-5	Carbon Tetrachloride		0 <u>2</u>	14
75-27-4	Bromodichloromethane		03	14
78-87-5	1,2-Dichloropropane		υS	14
10061-01-5	cis-1,3-Dichloropropene		UJ	14
79-01-6	Trichloroethene		υ <u>χ</u>	14
71-43-2	Benzene		U A ]	14
124-48-1	Dibromochloromethane		U 1	14
110-75-8	2-Chloroethylvinylether		UR	14
10061-02-6	trans-1,3-Dichloropropene		បរា	14
79-00-5	1,1,2-Trichloroethane		บร	14
75-25-2	Bromoform		Ŭ Ž	14
108-10-1	4-Methyl-2-Pentanone	5	J 🕽 📗	14
591-78-6	2-Hexanone		U <b>J</b>	14
127-18-4	Tetrachloroethene		0 <u>3</u>	14
79-34-5	1,1,2,2-Tetrachloroethane		U 🗓	14
108-88-3	Toluene	8	12	14_
108-90-7	Chlorobenzene		U <b>J</b>	14
100-41-4	Ethylbenzene	3	12	14
100-42-5	Styrene		U 3	14
541-73-1	1,3-Dichlorobenzene		บจ	14
106-46-7	1,4-Dichlorobenzene		U 🕽	14
95-50-1	1,2-Dichlorobenzene		U <b>3</b>	14
1330-20-7	Xylenes, total	25	2	14
540-59-0	Total-1,2-Dichoroethene		U 2	14

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3/90

M-NY049

PA 68-378

NJDEP 73015

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA :	SAMPLE	NO
TP-81	RE	

Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142		Case No.:	SAS No.: SI	DG No.: 237118	3
Matrix: (soil/v	vater)	SOIL		Lab Sample ID:	237118-013RE	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>	Lab File ID:	X7935.D	
Level: (low/m	ned)	LOW		Date Received:	6/9/2004	
% Moisture: r	not dec.	29.9		Date Analyzed:	6/22/2004	
GC Column:	DB-624	ID: <u>(</u>	0.25 (mm)	Dilution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soil Aliquot Volu	me:	(uL
				CONCENTRATION UNITS:		

(ug/L or ug/Kg) Number TICs found: 15

		Į		1
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	C11H24 isomer	20.05	51	J
2.	C9H20 isomer	20.93	89	J
3.	C10H18 isomer	21.43	82	J
4. 001632-70-8	Undecane,5-methyl-	21.79	53	JN
5.	ethyl-dimethyl Benzene isomer	21.90	65	J
6. 1000152-47-3	trans-Decalin, 2-methyl-	22.43	89	JN
7.	Unknown Cyclohexane	22.47	55	J
8.	ethyl-dimethyl Benzene isomer	22.55	59	J
9.	C11H20 isomer	22.78	75	J
10.	Benzene isomer	23.35	73	J
11. 006044-71-9	Dodecane, 6-methyl	23.46	180	JN_
12.	Unknown	23.65	58	J
13.	Unknown	24.61	160	J
14.	Unknown	25.43	63	J
15.	trimethyl Dodecane isomer	26.47	130	J

3/90

NJDEP 73015

UG/KG

## VOLATILE ORGANICS ANALYSIS DATA SHEET

~~~	O 4 4 4 D 1	- 110
5- U- U	SAMPL	- 1/11
		1

Lab Name:	STL Nev	vburgh			Contract:		
Lab Code:	10142	с	ase No.: _		SAS No.:	SDG No.: 237118	3
Matrix: (soil/wa	ater)	SOIL			Lab Sample ID:	237118-014	
Sample wt/vol	•	5.0	_ (g/mi) <u>(</u>	G	Lab File ID:	X7907.D	
Level: (low/me	ed)	LOW			Date Received:	6/9/2004	
% Moisture: no	ot dec.	12.7			Date Analyzed:	6/20/2004	
GC Column: E	DB-624	ID: 0	.25_ (mn	n)	Dilution Factor:	1.0	
Soil Extract Vo	lume:		(uL.)		Soli Aliquot Volu	ıme:	(uL)
	_		<del></del>		Units: (ug/L or u	ig/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		υJ	11
74-83-9	Bromomethane		n.2	11
75-01-4	Vinyl Chloride		U.2	11
75-00-3	Chloroethane		U 7	11
75-09-2	Methylene Chloride	9	J 2	11
67-64-1	Acetone	15	7	11
75-15-0	Carbon Disulfide	2	J <u>Z</u>	11
75-35-4	1,1-Dichloroethene		0.2 0.2	11
75-34-4	1,1-Dichloroethane		0 Z	11
67-66-3	Chloroform		U 3	11
107-06-2	1,2-Dichloroethane		UI	11
78-93-3	2-Butanone	2	1.2	11
108-05-4	Vinyl Acetate		U 7	11
71-55-6	1,1,1-Trichloroethane		∩ <u>2</u>	11
56-23-5	Carbon Tetrachloride		0.2	11
75-27-4	Bromodichloromethane		U 3	11
78-87-5	1,2-Dichloropropane		U <b>J</b>	11
10061-01-5	cis-1,3-Dichloropropene		UJ	11
79-01-6	Trichloroethene		U 7	11
71-43-2	Benzene	2	J 3	11
124-48-1	Dibromochloromethane		U 2	11
110-75-8	2-Chloroethylvinylether		UR	11
10061-02-6	trans-1,3-Dichloropropene		0 <del>2</del>	11
79-00-5	1,1,2-Trichloroethane		U 2	11
75-25-2	Bromoform		N 2	11
108-10-1	4-Methyl-2-Pentanone		η <u>γ</u>	11
591-78-6	2-Hexanone		N 2	11
127-18-4	Tetrachloroethene		บธ	11
79-34-5	1,1,2,2-Tetrachloroethane		บร	11
108-88-3	Toluene	2	12	11
108-90-7	Chlorobenzene		D,2	11
100-41-4	Ethylbenzene		U 2	11
100-42-5	Styrene		υ 2	11
541-73-1	1,3-Dichlorobenzene		U <b>3</b>	11
106-46-7	1,4-Dichlorobenzene		ロコ	11
95-50-1	1,2-Dichlorobenzene		บิ่ม	11
1330-20-7	Xylenes, total	2	J 3	11
540-59-0	Total-1,2-Dichoroethene		บฮ	11

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EFA SAIVIFLE INC	•
TP-7	

Lab Name:	STL Nev	wburgh		C	Contract:		
Lab Code:	10142		Case No.:		SAS No.:	SDG No.: 237118	
Matrix: (soil/w	ater)	SOIL			Lab Sample II	D: 237118-014	
Sample wt/vol	:	5.0	(g/ml) <u>G</u>		Lab File ID:	X7907.D	
Level: (low/m	ed)	LOW			Date Received	d: 6/9/2004	
% Moisture: n	ot dec.	12.7			Date Analyzed	d: 6/20/2004	
GC Column: I	DB-624	ID:	0.25 (mm)		Dilution Factor	or: 1.0	
Soil Extract Vo	olume:		(uL)		Soil Aliquot Vo	olume:	(uL
				CONC	ENTRATION UNITS	S:	

(ug/L or ug/Kg)

UG/KG

Number TICs found: 15

			,	
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	C10H22 isomer	18.53	24	J
2.	C10H20 isomer	19.28	28	J
3.	C7H12 isomer	19.48	21	J
4.	Unknown	19.58	60	J
5. 004291-79-6	Cyclohexane, 1-methyl-2-propyl-	19.69	19	JN
6. 002847-72-5	Decane, 4-methyl-	20.05	37	JN
7.	ethyl-dimethyl Benzene isomer	21.30	27	J
8.	Unknown CnH2n+2	21.44	_ 79	J
9.	C10H14 isomer	21.79	22	J
10.	C10H14 isomer	22.13	26	J
11.	C10H14 isomer	22.42	30	J
12.	ethyl-dimethyl Benzene isomer	22.64	45	J
13.	diethyl-methyl Benzene isomer	22.77	25	J
14.	Benzene isomer	23.36	48	J
15.	C10H12 isomer	23.41	20	J

### VOLATILE ORGANICS ANALYSIS DATA SHEET

	- 44		110
<b>EPA</b>	SAM	1PLE	NO.

	VOLATILE ORGANICS ANA	E TOIO DATA OFFICE	TP-7RE	
Lab Name: STL I	Newburgh	Contract:		
Lab Code: 1014	2 Case No.:	SAS No.: SD	3 No.: 23711	8
Matrix: (soil/water)		Lab Sample ID: 2		
	5.0 (g/ml) <u>G</u>	Lab File ID:	(7927.D	_
Level: (low/med)		Date Received: 6	/9/2004	_
·		Date Analyzed: 6	/21/2004	_
% Moisture: not de				
GC Column: DB-62	24 ID: <u>0.25</u> (mm)	Dilution Factor: 1	.0	_
Soil Extract Volume	e: (uL)	Soil Aliquot Volum	e:	_ (uL.)
		Units: (ug/L or ug/l	(g) UG/KG	
CAS NO.	COMPOUND	RESULT	· Q	RL
74-87-3	Chloromethane		U	11
74-83-9	Bromomethane		U I	11
75-01-4	Vinyl Chloride		<u>U</u>	11
75-00-3	Chloroethane		U	11
75-09-2	Methylene Chloride	7		11
67-64-1	Acetone	9		11
75-15-0	Carbon Disulfide	2	J	11
75-35-4	1,1-Dichloroethene			11
75-34-4	1,1-Dichloroethane			11
67-66-3	Chloroform		U	11
107-06-2	1,2-Dichloroethane		_	11
78-93-3	2-Butanone		- U	11
108-05-4	Vinyl Acetate		T U	11
71-55-6	1,1,1-Trichloroethane Carbon Tetrachloride		Ū	11
56-23-5	Bromodichloromethane		U	. 11
75-27-4	1,2-Dichloropropane		U	11
78-87-5 10061-01-5	cis-1,3-Dichloropropene		U	11
79-01-6	Trichloroethene		U	11
71-43-2	Benzene	1	J	11
124-48-1	Dibromochloromethane		U	11
110-75-8	2-Chloroethylvinylether		UR	11
10061-02-6	trans-1,3-Dichloropropene		U '	11
79-00-5	1,1,2-Trichloroethane		U	11
75-25-2	Bromoform		U	11
108-10-1	4-Methyl-2-Pentanone		U 3	11
591-78-6	2-Hexanone		U 3	11
127-18-4	Tetrachloroethene		0.2	11
79-34-5	1,1,2,2-Tetrachloroethane			<u>11</u> 11
108-88-3	Toluene	2	0.2	11
108-90-7	Chlorobenzene		0.3	11
100-41-4	Ethylbenzene	<u> </u>	0.2	11
100-42-5	Styrene		0.2	11
541-73-1	1,3-Dichlorobenzene		บัง	11
106-46-7	1,4-Dichlorobenzene		<u> </u>	11
95-50-1	1,2-Dichlorobenzene Total-1,2-Dichoroethene		<u> </u>	11
540-59-0	Yvienes total		U 3	11

1330-20-7

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Xylenes, total

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE I	10

TP-7RE

Lab Name:	STL Ne	wburgh		Contract:		_	
Lab Code:	10142	Cas	e No.:	SAS No.:	s	DG No.: 237118	
Matrix: (soil/v	vater)	SOIL		Lab Samp	le ID:	237118-014RE	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File IC	):	X7927.D	
Level: (low/n		LOW		Date Rece	eived:	6/9/2004	
% Moisture:		12.7		Date Anal	yzed:	6/21/2004	
GC Column:	DB-624	ID: 0.2	5 (mm)	Dilution Fa	actor:	1.0	
Soil Extract V			 _ (uL)	Soil Aliquo	t Volu	me:	(uL)
Number TICs	s found:	15	_	CONCENTRATION UI (ug/L or ug/Kg) U	NITS: G/KG		

<u> </u>				
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1	C10H22 isomer	18.30	24	J
2.	C10H22 isomer	18.53	30	J
3.	Unknown CnH2n	19.29	32	J
4.	Unknown	19.48	25	J
5.	Unknown	19.59	120	J
6.	Unknown Cyclohexane	19.69	30	J
7. 002847-72-5	Decane, 4-methyl-	20.05	47	JN
8.	Unknown Cyclohexane	20.61	. 31	J
9.	Unknown CnH2n+2	20.68	23	J
10.	Unknown CnH2n+2	21.44	92	J
11.	Benzene isomer	21.80	24	J
12. 003479-89-8	1,3,5-Cycloheptatriene, 3,7,7-trim	22.13	22	JN
13.	Benzene isomer	22.42	34	J
14.	Benzene isomer	22.64	37	J
15	Benzene isomer	23.36	43	J

SEVERN STL NYSDOH 10142

M-NY049

### NATUE ODGANICS ANALYSIS DATA SHEFT

ELY OWINE TE NO	<b>EPA</b>	SAMPL	E NO
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	VOI	TP-6		
Lab Name:	STL Newb	urgh	Contract:	117-0
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/	water) S	OIL	Lab Samp	le ID: 237118-015

X7910.D Lab File ID: (g/ml) G 5.0 Sample wt/vol: Date Received: 6/9/2004 Level: (low/med) LOW

Date Analyzed: 6/20/2004 18.9 % Moisture: not dec.

Dilution Factor: 1.0 ID: 0.25 (mm) GC Column: DB-624 Soil Aliquot Volume: (uL) (uL)

Soil Extract Volume: Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	12
74-83-9	Bromomethane		U	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12
75-09-2	Methylene Chloride	11	J	12
67-64-1	Acetone	13		12
75-15-0	Carbon Disulfide	4	J	12
75-35-4	1,1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		υ	12
67-66-3	Chloroform		U	12
107-06-2	1,2-Dichloroethane		U	12
78-93-3	2-Butanone		U	12
108-05-4	Vinyl Acetate		U	_12
71-55-6	1,1,1-Trichloroethane		U	12
56-23-5	Carbon Tetrachloride		U	12
75-27-4	Bromodichloromethane		U	12
78-87-5	1,2-Dichloropropane		U	12
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		Ų	12
79-01-6	Benzene	5	J	12
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chloroethylvinylether		UR	12
10061-02-6	trans-1,3-Dichloropropene		U '	12
	1,1,2-Trichloroethane		U	12
79-00-5	Bromoform		U	12
75-25-2	4-Methyl-2-Pentanone		U 3	12
108-10-1 591-78-6	2-Hexanone		บ <b>ว</b> ี	12
127-18-4	Tetrachloroethene		0.2	12
79-34-5	1,1,2,2-Tetrachloroethane		υ 7	12
108-88-3	Toluene	4	J 3	12
108-90-7	Chlorobenzene	6	1.2	12
	Ethylbenzene	18	0 <u>2</u>	12
100-41-4	Styrene		0.2	12
100-42-5	1,3-Dichlorobenzene		0.2	12
541-73-1	1,4-Dichlorobenzene	17	2	12
106-46-7	1,2-Dichlorobenzene	3	12	12
95-50-1	Total-1,2-Dichoroethene	<u>`</u>	U 🔀	12
540-59-0		96	2	12
1330-20-7	Xylenes, total			

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M-NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.

Lab Name:	STL Ne	wburgh		Contract:			
Lab Code:	10142	Cas	se No.:	SAS No.:	s	DG No.: 237118	<u> </u>
Matrix: (soil/v	vater)	SOIL _	_	Lab Samp	ole ID:	237118-015	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File II	D:	X7910.D	
Level: (low/n	ned)	LOW	_	Date Rec	eived:	6/9/2004	
% Moisture:	not dec.	18.9		Date Ana	lyzed:	6/20/2004	
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilution F	actor:	1.0	
Soil Extract V	/olume:		(uL)	Soil Alique	ot Volu	me:	(uL)
				CONCENTRATION U	NITS: G/KG		
Number TICs	found:	15	_				

			:	
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n	18.09	53	J
2.	C10H22 isomer	18.30	46	J
3.	C10H22 isomer	18.53	50	J
4.	C10H16 isomer	19.19	57	J
5.	Unknown CnH2n	19.29	40	J
6,	C10H20 isomer	19.61	83	J
7	C11H24 isomer	20.05	76	J
8.	Unknown CnH2n+2	20.55	64	J
9.	Unknown Cyclohexane	20.61	43	J
10. 013151-35-4	Decane, 5-methyl-	20.69	41	JN
11.	Unknown CnH2n+2	20.93	81	J
12.	Benzene isomer	21.80	52	J
13.	Unknown	22.13	45	J
14.	C11H20 isomer	22.43	44	J
15.	Benzene isomer	23.36	42	J

NJDEP 73015

PA 68-378

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO.
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Lab Name:	STL Ne	wburgh		Contract:	TP-6RE	
Lab Code:	10142	Са	se No.:	SAS No.: S	SDG No.: 237118	<u> </u>
Matrix: (soil/v	water)	SOIL	_	Lab Sample ID:	237118-015RE	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7928.D	
Level: (low/r	ned)	LOW		Date Received:	6/9/2004	
% Moisture:	not dec.	18.9		Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: 0.	25 (mm)	Dilution Factor:	1.0	
Soil Extract \	/olume:		(uL)	Soil Aliquot Vol	ume:	(uL)
				Units: (ua/L or u	ıa/Ka) UG/KG	

 $\mathsf{RL}$ Q **RESULT** COMPOUND CAS NO.

74-87-3	Chloromethane		U	12
74-83-9	Bromomethane		U	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12
75-09-2	Methylene Chloride	10	J	12
67-64-1	Acetone	13		12
75-15-0	Carbon Disulfide	4	J	12
75-35-4	1.1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		U	12
67-66-3	Chloroform		U	12
107-06-2	1,2-Dichloroethane		<u> </u>	12
78-93-3	2-Butanone		<u> </u>	12
108-05-4	Vinyl Acetate		U	12
71-55-6	1.1.1-Trichloroethane		U	12
56-23-5	Carbon Tetrachloride		U	12
75-27-4	Bromodichloromethane		U	12
78-87-5	1,2-Dichloropropane		U	12
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		U	12
71-43-2	Benzene	4	J	12
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chloroethylvinylether		UR	12
10061-02-6	trans-1,3-Dichloropropene		U	12
79-00-5	1,1,2-Trichloroethane		U	12
75-25-2	Bromoform		<u>U</u>	12
108-10-1	4-Methyl-2-Pentanone		U 1	12
591-78-6	2-Hexanone		U 🗓	12
127-18-4	Tetrachloroethene		n 2	12
79-34-5	1,1,2,2-Tetrachioroethane		1 <u>2</u> ∩ <u>2</u>	12
108-88-3	Toluene	4	1 2	12
108-90-7	Chlorobenzene	6	12	12
100-41-4	Ethylbenzene	13	2	12
100-42-5	Styrene		0 <b>Z</b>	12
541-73-1	1,3-Dichlorobenzene		n <b>2</b>	12
106-46-7	1,4-Dichlorobenzene	18	7 2	12
95-50-1	1,2-Dichlorobenzene	3		12
1330-20-7	Xylenes, total	71	2	12
540-59-0	Total-1,2-Dichoroethene		U <b>Z</b>	12

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3/90 M-NY049

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

	EPA SAMPLE	NO
I		
ı	TP-6RE	

Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142	c	Case No.:	SAS No.:	SDG No.: 237118	
Matrix: (soil/v	vater)	SOIL	· · · · · ·	Lab Sample II	D: 237118-015RE	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>	Lab File ID:	X7928.D	
Level: (low/n	ned)	LOW		Date Received	d: <u>6/9/2004</u>	
% Moisture: r	not dec.	18.9		Date Analyzed	d: <u>6/21/2004</u>	
GC Column:	DB-624	iD: (	0.25 (mm)	Dilution Factor	r: <u>1.0</u>	
Soil Extract V	olume:		(uL)	Soil Aliquot Vo	olume:	(uL)
Number TICs	s found:	15		CONCENTRATION UNITS		

Number TICs found:	15	
CAS NO.	COMPOUND NAME	RT

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Cyclohexane	18.09	31	J
2.	C10H22 isomer	18.30	26	J
3, 004551-51-3	1H-Indene, octahydro-, cis-	18.48	24	JN
4.	C7H14 isomer	18.54	28	J
5.	C10H16 isomer	19.19	37	J
6.	C10H20 isomer	19.61	53	J
7.	C11H24 isomer	20.05	40	J
8.	Unknown CnH2n+2	20.55	31	J
9.	trimethyl Hexane isomer	20.93	49	J
10.	C9H10 isomer	21.24	26	J
11.	Unknown	22.13	34	J
12.	Benzene isomer	22.42	27	J
13.	Benzene isomer	23.36	34	J
14.	Unknown	24.61	25	J
15	C11H10 isomer	27.07	24	J

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SAMF	LE	NO.

	VOLATILE ONGANIOU ANAL	TOTO BATA OFFICE	TP-9	
Lab Name: STL N		Contract:		
Lab Code: 10142	Case No.:	SAS No.: SDO	3 No.: <u>23711</u>	8
Matrix: (soil/water)	SOIL	Lab Sample ID: 2	37118-016	
	5.0 (g/ml) G	Lab File ID: X	7912.D	
Level: (low/med)		Date Received: 6	/9/2004	
% Moisture: not dec	<del></del>	Date Analyzed: 6	/20/2004	_
	<del></del>			
<del></del>	4 ID: 0.25 (mm)	Dilution Factor: 1		_
Soil Extract Volume:	: (uL)	Soil Aliquot Volume	ə:	_ (uL)
		Units: (ug/L or ug/h	(g) <u>UG/KG</u>	· 
		DEGULT	•	Di
CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	12
74-83-9	Bromomethane		U	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12
75-09-2	Methylene Chloride	2	J	12
67-64-1	Acetone	28		12
75-15-0	Carbon Disulfide	0.8	J	12
75-35-4	1,1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		U U	12
67-66-3	Chloroform		U	12
107-06-2	1,2-Dichloroethane		U	12
78-93 <b>-</b> 3	2-Butanone	4		12
108-05-4	Vinyl Acetate		U	12
71-55-6	1,1,1-Trichloroethane		U	12
56-23-5	Carbon Tetrachloride		U	12
75-27-4	Bromodichloromethane		U	12
78-87-5	1,2-Dichloropropane		U	12
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		Ų	12
71-43-2	Benzene	2	J	12
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chloroethylvinylether		UR	12
10061-02-6	trans-1,3-Dichloropropene		<u> </u>	12
79-00-5	1,1,2-Trichloroethane		U	12
75-25-2	Bromoform		U	<u>12</u> 12
108-10-1	4-Methyl-2-Pentanone		U	12
591-78-6	2-Hexanone		U	12
127-18-4	Tetrachloroethene		U	12
79-34-5	1,1,2,2-Tetrachioroethane	2	J	12
108-88-3	Toluene		U	12
108-90-7	Chlorobenzene	500	EJ	12
100-41-4	Ethylbenzene	7	j	12
100-42-5	Styrene		U	12
541-73-1	1,3-Dichlorobenzene		U	12
106-46-7	1,4-Dichlorobenzene 1,2-Dichlorobenzene	2	J	12
95-50-1	Xylenes, total	26		12
1330-20-7	Ayienes, iolai			

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540-59-0

FORM LVOA CTDOHS PH-0554

3/90

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Total-1,2-Dichoroethene

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-9	

200

Lab Name:	STL Ne	wburgh		Contra	ct:			
Lab Code:	10142	Ca	se No.:	SAS	No.:	_ SDG No.:	237118	
Matrix: (soil/v	vater)	SOIL			Lab Sample	ID: 237118	-016	
Sample wt/vo	ol:	5.0	(g/ml) G	<del>.</del>	Lab File ID:	X7912.	<u>D</u>	
Level: (low/n	ned)	LOW	_		Date Receiv	ed: 6/9/200	4	
% Moisture: r	not dec.	18.1			Date Analyz	ed: <u>6/20/20</u>	04	
GC Column:	DB-624	ID: 0.2	25 (mm)		Dilution Fact	tor: 1.0		
Soil Extract V	/olume:		_ (uL)		Soil Aliquot \	Volume:		(uL
Number TICs	s found:	15		CONCENTR (ug/L or ug/l	RATION UNI Kg) UG/			

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	C10H22 isomer	18.53	95	J
2.	Unknown CnH2n	19.29	110	J
3.	C9H12 isomer	19.49	99	J
4.	C9H18 isomer	19.61	140	J
5.	Unknown Cyclohexane	19.70	83	J
6.	C11H24 isomer	20.05	140	J
7.	Unknown Cyclohexane	20.61	97	J
8,	C11H24 isomer	20.68	84	J
9.	Unknown	21.80	99	J
10.	ethyl-dimethyl Benzene isomer	21.91	91	J_
11.	C11H20 isomer	22.43	120	J
12.	Unknown	22.47	85	J
13.	C11H20 isomer	22.78	98	J
14. 000874-41		23.36	91	JN
77. 000017 31	<u> </u>	21.00	000	

SEVERN STL NYSDOH 10142

15.

PA 68-378

NJDEP 73015

C10H8 isomer

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO	EPA	SAMPL	E NO
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Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142	C	ase No.:	SAS No.:	SDG No.: 237118	
Matrix: (soil/v	vater)	SOIL		Lab Sample II	D: 237118-016DL	
Sample wt/vo	ol:	1.0	(g/ml) G	Lab File ID:	X7929.D	
Level: (low/n	ned)	LOW		Date Received	i: <u>6/9/2004</u>	
% Moisture: r	not dec.	18.1		Date Analyzed	i: <u>6/21/2004</u>	
GC Column:	DB-624	ID: (	).25 (mm)	Dilution Factor	: 1.0	
Soil Extract V	/olume:		 (uL)	Soil Aliquot Vo	olume:	(uL)
			<del></del> -	Units: (ug/L or	ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	61
74-83-9	Bromomethane		U	61
75-01-4	Vinyl Chloride		U	61
75-00-3	Chloroethane		U	61
75-09-2	Methylene Chloride	6	JD	61
67-64-1	Acetone	33	JD	61
75-15-0	Carbon Disulfide		U	61
75-35-4	1,1-Dichloroethene		U	61
75-34-4	1,1-Dichloroethane		U	61
67-66-3	Chloroform		U	61
107-06-2	1.2-Dichloroethane		U	61
78-93-3	2-Butanone		U	61
108-05-4	Vinyl Acetate		U	61
71-55-6	1,1,1-Trichloroethane		U	61
56-23-5	Carbon Tetrachloride		U	61
75-27-4	Bromodichloromethane		U	61
78-87-5	1,2-Dichloropropane		U	61
10061-01-5	cis-1,3-Dichloropropene		U	61
79-01-6	Trichloroethene		U	61
71-43-2	Benzene	•	U	61
124-48-1	Dibromochloromethane		U	61
110-75-8	2-Chloroethylvinylether		UR	61
10061-02-6	trans-1,3-Dichloropropene		U	61
79-00-5	1,1,2-Trichloroethane		U	61
75-25-2	Bromoform		U	61
108-10-1	4-Methyl-2-Pentanone		U	61
591-78-6	2-Hexanone		U	61
127-18-4	Tetrachloroethene		U	61
79-34-5	1,1,2,2-Tetrachloroethane		Ü	61
108-88-3	Toluene		· U	61
108-90-7	Chlorobenzene		U	61
100-41-4	Ethylbenzene	630	D	61
100-41-4	Styrene		U	61
541-73-1	1,3-Dichlorobenzene		U	61
106-46-7	1,4-Dichlorobenzene		U	61
95-50-1	1,2-Dichlorobenzene		U	61
540-59-0	Total-1,2-Dichoroethene		Ū	61
1330-20-7	Xylenes, total	7	JD	61
1330-20-7	Ayionos, iolai			

STL NYSDOH 10142

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#### 1A

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	S	Α٨	1P	LE	NO
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Lab Name:	STL Ne	wburgh		Contract:	16-11	
Lab Code:	10142	Case	No.:	SAS No.:	SDG No.: 237118	
Matrix: (soil/w	ater)	SOIL		Lab Sample ID	): <u>237118-017</u>	
Sample wt/vo	l:	5.0	(g/ml) <u>G</u>	Lab File ID:	X7918A.D	
Level: (low/m	ied)	LOW		Date Received	: 6/9/2004	
% Moisture: n	ot dec.	22.4		Date Analyzed	: 6/21/2004	
GC Column:	DB-624	ID: 0.25	(mm)	Dilution Factor:	: 1.0	
Soil Extract Ve	olume:		(uL)	Soil Aliquot Vol	lume:	(uL)
				Units: (ug/L or	ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		U	13
75-00-3	Chloroethane	32		13
75-09-2	Methylene Chloride	3	J	13
67-64-1	Acetone	36		13
75-15-0	Carbon Disulfide	2	J	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1,1-Dichloroethane		U	13
67-66-3	Chloroform		υ	13
107-06-2	1,2-Dichloroethane		U	13
78-93-3	2-Butanone	4	· J	13
108-05-4	Vinyl Acetate		U	13
71-55-6	1,1,1-Trichloroethane		U	13
56-23-5	Carbon Tetrachloride		U	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		U	13
79-01-6	Trichloroethene		U	13
71-43-2	Benzene	6	J	13
124-48-1	Dibromochloromethane		U_	13
110-75-8	2-Chloroethylvinylether		U	13
10061-02-6	trans-1,3-Dichloropropene		U	13
79-00-5	1,1,2-Trichloroethane		U	13
75-25-2	Bromoform		U	13
108-10-1	4-Methyl-2-Pentanone		Ū	13
591-78-6	2-Hexanone		U	13
127-18-4	Tetrachloroethene		U	13
79-34-5	1,1,2,2-Tetrachloroethane		U	13
108-88-3	Toluene	3	J	13
108-90-7	Chlorobenzene		U	13
100-41-4	Ethylbenzene	4	J	13
100-42-5	Styrene		U	13
541-73-1	1,3-Dichlorobenzene		U	13
106-46-7	1,4-Dichlorobenzene		U	13
95-50-1	1,2-Dichlorobenzene		U	13
1330-20-7	Xylenes, total	12	J	13
540-59-0	Total-1,2-Dichoroethene		U	13
U-40-03-0	TOTAL TIPE DIGITOLOGICATION			

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M-NY049

#### 1E

### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-11	

Lab Name:	STL Ne	wburgh		Contract:	
Lab Code:	10142	C	ase No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL		Lab Sample I	D: 237118-017
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7918A.D
Level: (low/n	ned)	LOW		Date Receive	d: 6/9/2004
% Moisture: r	not dec.	22.4		Date Analyze	d: 6/21/2004
GC Column:	DB-624	ID: <u>(</u>	0.25 (mm)	Dilution Facto	r: <u>1.0</u>
Soil Extract V	olume:		(uL)	Soil Aliquot Vo	olume: (uL
				CONCENTRATION UNIT: (ug/L or ug/Kg) UG/K	
Niumber TICe	found	15		·	·····

Number TICs found:

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	9.95	240	JN
2.	C10H22 isomer	19.58	64	J
3.	Unknown Cyclohexane	20.60	56	J
4,	C11H24 isomer	20.68	72	J
5.	Unknown CnH2n+2	20.95	62	J
6.	Unknown CnH2n+2	21.44	350	J
7.	Unknown CnH2n+2	21.79	120	J
8.	Benzene isomer	21.90	76	J_
9.	Unknown CnH2n+2	21.97	58	J
10.	C11H20 isomer	22.43	140	J
11.	Unknown	22.55	55	J
12.	C11H20 isomer	22.78	67	J
13. 1000152-47-3		22.90	52	JN_
14.	Unknown CnH2n+2	23.20	68	Ĵ
15	Benzene isomer	23.36	63	J

NJDEP 73015

PA 68-378

#### 1A

### VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.: S	SDG No.: 237118	}
Matrix: (soil/v	vater)	soil	Lab Sample ID:	237118-018	
Sample wt/vo		5.0 (g/ml) G	Lab File ID:	X7919A.D	
Level: (low/n	ned)	LOW	Date Received:	6/9/2004	
% Moisture: r		18.4	Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: 0.25 (mm)	Dilution Factor:	1.0	
Soil Extract V		(uL)	Soil Aliquot Vol	ume:	(uL
			Units: (ug/L or เ	ıg/Kg) <u>UG/KG</u>	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	12
74-83-9	Bromomethane		U	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12
75-09-2	Methylene Chloride	1	J	12
67-64-1	Acetone	8	J	12
75-15-0	Carbon Disulfide		U	12
75-35-4	1,1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		U	12
67-66-3	Chloroform		U_	12
107-06-2	1,2-Dichloroethane		U	1 <u>2</u>
78-93-3	2-Butanone		U	12
108-05-4	Vinyl Acetate		U	12
71-55-6	1,1,1-Trichloroethane		U	12
56-23-5	Carbon Tetrachloride	•	U	12
75-27-4	Bromodichloromethane		U	12
78-87-5	1,2-Dichloropropane		U	12
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		U	- 12
71-43-2	Benzene		U	12
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chloroethylvinylether		UR	12
10061-02-6	trans-1,3-Dichloropropene		U	12
79-00-5	1,1,2-Trichloroethane		U	_12
75-25-2	Bromoform		U	12
108-10-1	4-Methyl-2-Pentanone		U	12
591-78-6	2-Hexanone		U	12
127-18-4	Tetrachloroethene		U	12
79-34-5	1,1,2,2-Tetrachloroethane		U	12
108-88-3	Toluene		U	12
108-90-7	Chlorobenzene		U	12
100-41-4	Ethylbenzene	19		12
100-41-4	Styrene		U	12
541-73-1	1,3-Dichlorobenzene		U	12
106-46-7	1,4-Dichlorobenzene		U	12
	1,2-Dichlorobenzene		U	12
95-50-1	Xylenes, total	5	J	12
1330-20-7	Total-1,2-Dichoroethene	·   · · · · · · · · · · · · · · · · · ·	U	12
540-59-0	Total-1,2-Dichoroenterie			

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#### 1E

### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-10	

Lab Name:	STL Nev	wburgh		Contract:	_	
Lab Code:	10142		Case No.:	SAS No.: S	SDG No.: 237118	
Matrix: (soil/w	ater)	SOIL		Lab Sample ID:	237118-018	
Sample wt/vol	:	5.0	(g/ml) <u>G</u>	Lab File ID:	X7919A.D	
Level: (low/m	ed)	LOW	<u></u>	Date Received:	6/9/2004	
% Moisture: n	ot dec.	18.4		Date Analyzed:	6/21/2004	
GC Column: [	DB-624	ID: <u>(</u>	0.25 (mm)	Dilution Factor:	1.0	
Soil Extract Vo	olume: _		(uL)	Soil Aliquot Volu	Jme:	(uL)

### **CONCENTRATION UNITS:**

(ug/L or ug/Kg)

UG/KG

Number TICs found:

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000071-23-8	1-Propanol	9.95	140	JN
2.	Unknown CnH2n+2	18.53	20	J
3.	Unknown CnH2n	19.59	75	J
4.	C11H24 isomer	20.04	28	J
5.	trimethyl Decane isomer	20.12	32	J
6.	Unknown CnH2n+2	20.68	25	J
7.	Unknown CnH2n+2	20.80	19	J
8.	ethyl-methyl Benzene isomer	20.89	. 21	J
9.	ป่กknown CnH2n+2	21.44	93	J
10.	C12H26 isomer	21.78	38	J
11.	ethyl-dimethyl Benzene isomer	21.91	23	J
12.	Unknown	22.12	28	J
13. 1000152-47-3		22.43	52	JN
14.	Unknown CnH2n+2	23.20	24	J
15.	Benzene isomer	23.36	24	J

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#### 1A

### VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMP	LE NO.
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Q

RESULT

RL

Lab Name:	STL Ne	wburgh		Contract:	TP-10A	
Lab Code:	10142	Ca	ase No.:	SAS No.:	SDG No.: <u>237</u>	118
Matrix: (soil/w	ater)	SOIL	_	Lab Sample	e ID: <u>23711</u> 8-019	
Sample.wt/vol	:	5.0	_ (g/ml) <u>G</u>	Lab File ID:	X7916.D	
Level: (low/m	ed)	LOW		Date Receiv	ved: 6/9/2004	
% Moisture: n	ot dec.	19		Date Analyz	zed: 6/20/2004	
GC Column: [	OB-624	ID: 0	.25_ (mm)	Dilution Fac	otor: <u>1.0</u>	··
Soil Extract Vo	olume:		(uL)	Soil Aliquot	Volume:	(uL)
				Units: (ug/L	or ug/Kg) UG/KG	

CAS NO.	COMI COME			- ,—
74-87-3	Chloromethane	-	U	12
74-83-9	Bromomethane		U	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12
75-09-2	Methylene Chloride	6	J	12_
67-64-1	Acetone	40	ļ	12
75-15-0	Carbon Disulfide	6	J	12
75-35-4	1,1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		U	12
67-66-3	Chloroform		U	12
107-06-2	1,2-Dichloroethane		U	12
78-93-3	2-Butanone	4	J	12
108-05-4	Vinyl Acetate		U	12
71-55-6	1,1,1-Trichloroethane		U	12
56-23-5	Carbon Tetrachloride		U	12
75-27-4	Bromodichloromethane		U	12_
78-87-5	1,2-Dichloropropane		U	12
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		U	12
71-43-2	Benzene	3	J	12 _
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chloroethylvinylether		UR	12
10061-02-6	trans-1,3-Dichloropropene		U	12
79-00-5	1,1,2-Trichloroethane		U	12
75-25-2	Bromoform		U	12
108-10-1	4-Methyl-2-Pentanone	2	J	12
591-78-6	2-Hexanone		U	12
127-18-4	Tetrachloroethene		U	12
79-34-5	1,1,2,2-Tetrachloroethane		U	12
108-88-3	Toluene	3	J	12
108-90-7	Chlorobenzene		U	12
100-41-4	Ethylbenzene	4	J	12
100-42-5	Styrene		U	12
541-73-1	1.3-Dichlorobenzene		U	12
106-46-7	1,4-Dichlorobenzene		U	12
95-50-1	1,2-Dichlorobenzene		U	12
1330-20-7	Xylenes, total	13		12
540-59-0	Total-1,2-Dichoroethene		U	12

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CAS NO.

COMPOUND

EPA NY049

#### 1E

### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N	۷Ο.
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TP-10A

Lab Name:	STL Ne	wburgh		Contract:		" <del>L</del>	
Lab Code:	10142		Case No.:	SAS No.:	s	DG No.: <u>237118</u>	
Matrix: (soil/v	vater)	SOIL		Lab Samp	le ID:	237118-019	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>	Lab File IC	):	X7916.D	
Level: (low/n	ned)	LOW		Date Rece	eived:	6/9/2004	
% Moisture: r	not dec.	19		Date Analy	yzed:	6/20/2004	
GC Column:	DB-624	ID:	0.25 (mm)	Dilution Fa	actor:	1.0	
Soil Extract V	olume:		(uL)	Soil Aliquo	t Volu	me:	(uL
Number TICs	: found	15		CONCENTRATION UN (ug/L or ug/Kg) UC	NITS: 3/KG		

		}		
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown CnH2n+2	20.12	99	J
2. 013151-35-4	Decane, 5-methyl-	20.69	110	JN
3. 006975-98-0	Decane, 2-methyl-	20.80	110	JN
4. 013151-34-3	Decane, 3-methyl-	20.95	210	JN
5. 001120-21-4	Undecane	21.45	410	JN
6.	C12H26 isomer	21.78	180	J
7.	C12H26 isomer	22.10	88	J
8. 1000152-47-3		22.43	240	JN
9. 007045-71-8	Undecane, 2-methyl-	22.56	90	JN
10.	C12H26 isomer	22.72	86	J
11.	C11H20 isomer	22.78	130	J
12. 000112-40-3	Dodecane	23.20	210	JN
13.	ethyl-dimethyl Benzene isomer	23.36	110	J
14. 006044-71-9	Dodecane,6-methyl-	23.47	120	JN
15.	C10H12 isomer	23.73	94	J

NJDEP 73015

PA 68-378

#### 1A

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	SAMP	LE NO.
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			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			TP-3	- 1
Lab Name:	STL Ne	wburgh		Contract:			
Lab Code:	10142	Cas	se No.:	SAS No.:	_ s	DG No.: 237118	
Matrix: (soil/wa	ater)	SOIL		Lab Sample	e ID:	237118-020	
Sample wt/vol	:	5.0	(g/ml) G	Lab File ID:	:	X7917.D	
Level: (low/m	ed)	LOW		Date Recei	ved:	6/9/2004	
% Moisture: no	ot dec.	25.4		Date Analy	zed:	6/20/2004	
GC Column: [	DB-624	ID: 0.2		Dilution Fac	ctor:	1.0	
- Soil Extract Vo	olume:		(uL)	Soil Aliquot	Volu	me:	(uL)
			_	Units: (ug/L	or ug	g/Kg) <u>UG/KG</u>	_

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		Ų	13
75-00-3	Chloroethane		J	13
75-09-2	Methylene Chloride	5	7	<u>13</u>
67-64-1	Acetone	25		13
75-15-0	Carbon Disulfide	3	J	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1.1-Dichloroethane		U	13
67-66-3	Chloroform		U	13
107-06-2	1,2-Dichloroethane		U	13
78-93-3	2-Butanone	3	· J	13
108-05-4	Vinyl Acetate		U	13
71-55-6	1,1,1-Trichloroethane		U	13
56-23-5	Carbon Tetrachloride		U	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		U	13
79-01-6	Trichloroethene		U	13_
71-43-2	Benzene	2	J	13
124-48-1	Dibromochloromethane		U	13
110-75-8	2-Chloroethylvinylether		UR	13
10061-02-6	trans-1,3-Dichloropropene		U	13
79-00-5	1,1,2-Trichloroethane		Ų	<u>13</u>
75-25-2	Bromoform		U	13
108-10-1	4-Methyl-2-Pentanone		U	13
591-78-6	2-Hexanone		U	13
127-18-4	Tetrachloroethene		U	13
79-34-5	1,1,2,2-Tetrachloroethane		U	13
108-88-3	Toluene	3	J	13
108-90-7	Chlorobenzene		U	13
100-41-4	Ethylbenzene		U	13
100-42-5	Styrene		U	13
541-73-1	1,3-Dichlorobenzene		Ŭ	13
106-46-7	1,4-Dichlorobenzene		U	13
95-50-1	1,2-Dichlorobenzene		U	13
1330-20-7	Xylenes, total	5	J	13
540-59-0	Total-1,2-Dichoroethene		U	13

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NYSDOH 10142

NJDEP 73015

3/90 M-NY049 STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 1E

### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO
TP-3	

Lab Name:	STL Ne	wburgh		Contract:			
Lab Code:	10142	Ca	se No.:	SAS No.:	s	DG No.: 237118	}
Matrix: (soil/v	vater)	SOIL	_	Lab S	Sample ID:	237118-020	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>	Lab F	ile ID:	X7917.D	
Level: (low/n	ned)	LOW	_	Date	Received:	6/9/2004	
% Moisture: r	not dec.	25.4		Date .	Analyzed:	6/20/2004	
GC Column:	DB-624	ID: 0.	25 (mm)	. Dilutio	on Factor:	1.0	
Soil Extract V	/olume:		(uL)	Soil A	liquot Volu	me:	(uL)
Number TICs	s found:	11		CONCENTRATIO (ug/L or ug/Kg)	N UNITS: UG/KG		

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1. 000110-54-3	Hexane	9.54	7	JN
2. 000071-23-8	1-Propanol	9.95	49	JN
3.	Unknown	19.61	77	J
4.	Unknown	22.43	8	J
5.	C13H28 isomer	23.46	11	J
6.	C14H30 isomer	24.61	30	J
7.	Unknown	25.29	7	J
8.	Unknown CnH2n+2	25.43	9	J
9.	Unknown	25.57	8	J
0.	Unknown CnH2n+2	26.47	24	J
11	Unknown CnH2n+2	28.12	12	J

NJDEP 73015

M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

				_	`antrast:	TP-5	
Lab Name:	STL Ne	wburgn		`	Contract:		
Lab Code:	10142 Case		ase No.:		SAS No.:	SDG No.: 237118	
Matrix: (soil/	water)	SOIL			Lab Sample II	D: <u>237118-001</u>	
Sample wt/ve	ol:	30.12	(g/ml) G	<del></del>	Lab File ID:	E72151.D	
Level: (low/r	med)	LOW	_		Date Received	d: 6/9/2004	
% Moisture:	19.5	de	canted:(Y/N)	N	Date Extracted	d: 6/18/2004	
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed	: <u>6/22/2004</u>	
Injection Volu	ume: 2	.0 (uL)			Dilution Factor	: 1.0	
GPC Cleanu	p: (Y/N)	N	pH: 7.82	2	Units: (ug/L or	ug/Kg) UG/KG	

CAS NO. COMPOUND		RESULT	Q	RL ·	
111-44-4	bis(2-Chloroethyl)ether		U	410	
108-95-2	Phenol	990		410	
95-57-8	2-Chlorophenol		U	410	
541-73-1	1.3-Dichlorobenzene		U	410	
106-46-7	1,4-Dichlorobenzene	120	J	410	
95-50-1	1,2-Dichlorobenzene		U	410	
100-51-6	Benzyl alcohol		U	410	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	410	
95-48-7	2-Methylphenol	730		410	
67-72-1	Hexachloroethane		U	410	
621-64-7	N-Nitroso-di-n-propylamine		U	410	
106-44-5	4-Methylphenol	870		410	
98-95-3	Nitrobenzene		U	410	
78-59-1	Isophorone		U	410	
88-75-5	2-Nitrophenol		U	410	
105-67-9	2,4-Dimethylphenol	610		410	
111-91-1	bis(2-Chloroethoxy)methane		U	410	
120-83-2	2,4-Dichlorophenol		U	410	
120-82-1	1,2,4-Trichlorobenzene	160	J	410	
91-20-3	Naphthalene	1100		410	
106-47-8	4-Chloroaniline		U	410	
87-68-3	Hexachlorobutadiene		U	410	
59-50-7	4-Chloro-3-methylphenol		U	410	
91-57-6	2-Methylnaphthalene	1200		410	
77-47-4	Hexachlorocyclopentadiene		U	410	
88-06-2	2,4,6-Trichlorophenol		U	410	
95-95-4	2,4,5-Trichlorophenol		U	1000	
91-58-7	2-Chloronaphthalene		U	410	
88-74-4	2-Nitroaniline		U	1000	
208-96-8	Acenaphthylene		U	410	
131-11-3	Dimethylphthalate		U	410	
606-20-2	2,6-Dinitrotoluene		U	410	
83-32-9	Acenaphthene	200	J	410	
99-09-2	3-Nitroaniline		<u> </u>	1000	
51-28-5	2,4-Dinitrophenol		U	1000	
132-64-9	Dibenzofuran	280	J	410	
121-14-2	2,4-Dinitrotoluene	<u> </u>	U	410	

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#### 1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E	EPA SAMPL	E NO.
Γ.	rp.s	

Lab Name:	STL Ne	wburgh		Contr	act:	
Lab Code:	10142	Case N	o.:	SA	S No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	237118-001
Sample wt/vo	ol:	30.12 (g/	ml) <u>G</u>		Lab File ID:	E72151.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	19.5	decante	ed:(Y/N) _	_N	Date Extracted	6/18/2004
Concentrated	Extract	Volume: 1000	(uL)		Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.	.0 (uL)			Dilution Factor:	1.0
GPC Cleanu	–- p: (Y/N)	NpH:	7.82	-	Units: (ug/L or t	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	490		410
7005-72-3	4-Chlorophenyl-phenylether		U	410
84-66-2	Diethylphthalate		U	410
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	410_
101-55-3	4-Bromophenyl-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachlorophenol		U	1000_
85-01 <b>-</b> 8	Phenanthrene	1300		410
120-12-7	Anthracene	250	J	410
84-74-2	Di-n-butylphthalate		U	410
206-44-0	Fluoranthene	300	J	410
129-00-0	Pyrene	550	য	410_
85-68-7	Butylbenzylphthalate		U 3	410
91-94-1	3,3'-Dichlorobenzidine		U 3	410
56-55-3	Benzo(a)anthracene	140	1 2	410
218-01-9	Chrysene	230		410
117-81-7	bis(2-Ethylhexyl)phthalate	1400	7	410
117-84-0	Di-n-octylphthalate		υ3	410
205-99-2	Benzo(b)fluoranthene	190	12	410
207-08-9	Benzo(k)fluoranthene	70	J 📆	410
50-32-8	Benzo(a)pyrene	130	7.2	410_
193-39-5	Indeno(1,2,3-cd)pyrene	53	J <b>.2</b>	410
62-75-9	n-Nitrosodimethylamine		U 2	410
53-70-3	Dibenz(a,h)anthracene		N 2	410
191-24-2	Benzo(g,h,i)perylene	100	12	410

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PA 68-378

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

TP-5	
1 •	

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh	_ Contract: _		
Lab Code:	10142	Case No.:	SAS No.:	S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	Lab	Sample ID:	237118-001
Sample wt/vo	•	30.12 (g/ml) G	Lab	File ID:	E72151.D
Level: (low/n		LOW	Date	Received:	6/9/2004
% Moisture:	19.5	decanted: (Y/N)	N Date	Extracted:	6/18/2004
Concentrated	d Extract	Volume: 1000 (uL)	Date	Analyzed:	6/22/2004
Injection Volu			Dilut	ion Factor:	1.0
GPC Cleanu		N pH: 7.82			•

### CONCENTRATION UNITS:

UG/KG (ug/L or ug/Kg) Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.31_	18000	JN
2. 000100-41-4	Ethylbenzene	5.45	3100	JN_
3. 000124-18-5	Decane	7.63	4100	JN
4. 000620-14-4	Benzene, 1-ethyl-3-methyl-	8.03	1100	JN
5. 006975-98-0	Decane, 2-methyl-	8.57	1100	JN
6. 013151-34-3	Decane, 3-methyl-	8.67	1000	JN
7.	C10H14 isomer	8.93	1000	J
8. 001120-21-4	Undecane	9.10	3700	JN
9.	C10H14 isomer	9,44	920	J
	C11H22 isomer	9.63	970	J
10.	C10H14 isomer	9.87	1100	J
11. 12. 000090-12-0	Naphthalene, 1-methyl-	11.97	800	JN
	Unknown CnH2n+2	15.33	800	J
13. 14. 000629-78-7	Heptadecane	15.87	8500	JN
	Unknown CnH2n+2	16.78	3300	J
15.	Tridecane, 4-methyl-	16.85	4300	JN
<u>16. 026730-12-1</u>	C16H22O4 isomer	17.36	3000	J
17.	Tetradecane	17.55	1000	JN
18. 000629-59-4	Unknown CnH2n+2	17.66	3500	J
19.		18,50	2100	JN
20. 000112-95-8	Eicosane	10.00		<del></del>

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMP	LE NO
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Lab Name:	STL Ne	wburgh		0	ntract:	_
Lab Code:	10142	c	ase No.:	{	SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	_		Lab Sample ID:	237118-001RE
Sample wt/vo	ol:	30.12	_ (g/ml) <u>G</u>		Lab File ID:	E72171.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	19.5	de	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	 N	pH: 7.82		Units: (ug/L or u	g/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL.	
111-44-4	bis(2-Chloroethyl)ether		U	410	
108-95-2	Phenol	980		410	
95-57-8	2-Chlorophenol		U	410	
541-73-1	1,3-Dichlorobenzene		U	410	
106-46-7	1,4-Dichlorobenzene	110	J	410	
95-50-1	1,2-Dichlorobenzene		U	410	
100-51-6	Benzyl alcohol		U	410	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	410	
95-48-7	2-Methylphenol	760		410	
67-72-1	Hexachloroethane		U	410	
621-64-7	N-Nitroso-di-n-propylamine		U	410	
106-44-5	4-Methylphenol	830		410	
98-95-3	Nitrobenzene		U	410	
78-59-1	Isophorone		U	410	
88-75-5	2-Nitrophenol		U	410	
105-67-9	2,4-Dimethylphenol	610		410	
111-91-1	bis(2-Chloroethoxy)methane		U L	410	
120-83-2	2,4-Dichlorophenol		υ	410	
120-82-1	1,2,4-Trichlorobenzene	160	J	410	
91-20-3	Naphthalene	1100		410	
106-47-8	4-Chloroaniline		U	410	
87-68-3	Hexachiorobutadiene		U	410	
59-50-7	4-Chloro-3-methylphenol		U	410	
91-57-6	2-Methylnaphthalene	1200		410	
77-47-4	Hexachlorocyclopentadiene		UR	410	
88-06-2	2,4,6-Trichlorophenol		U	410	
95-95-4	2,4,5-Trichlorophenol		U	1000	
91-58-7	2-Chioronaphthalene		U	410	
88-74-4	2-Nitroaniline		U	1000	
208-96-8	Acenaphthylene		U	410	
131-11-3	Dimethylphthalate		U	410	
606-20-2	2.6-Dinitrotoluene		U	410	
83-32-9	Acenaphthene	200	J	410	
99-09-2	3-Nitroaniline		U	1000	
51-28-5	2,4-Dinitrophenol		U	1000	
132-64-9	Dibenzofuran	260	J	410	
121-14-2	2,4-Dinitrotoluene		U	410	

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M-NY049

#### 1C

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	SAMPL	
)- P- A	SAMPL	- 1011

TP-5RE	
i i	

Lab Name:	STL Nev	vburgh		(	Contract:	
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	/ater)	SOIL			Lab Sample ID:	237118-001RE
Sample wt/vo	1:	30.12	_ (g/ml) <u>G</u>		Lab File ID:	E72171.D
Level: (low/m	ied)	LOW			Date Received:	6/9/2004
% Moisture:	19.5	de	canted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: <u>2.</u>	0_ (uL)			Dilution Factor:	1.0
GPC Cleanup	: (Y/N)	N	pH: 7.82		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	450		410
7005-72-3	4-Chlorophenyl-phenylether		U	410
84-66-2	Diethylphthalate		U	410
100-01-6	4-Nitroaniline		υ	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	410
101-55-3	4-Bromophenyl-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachlorophenol	-	U	1000
85-01-8	Phenanthrene	1300	•	410
120-12-7	Anthracene	260	J	410
84-74-2	Di-n-butyiphthalate	660		410
206-44-0	Fluoranthene	300	J	410
129-00-0	Pyrene	700	7	410
85-68-7	Butylbenzylphthalate		U 3	410
91-94-1	3,3'-Dichlorobenzidine		UJ	410
56-55-3	Benzo(a)anthracene	140	J .Z	410
218-01-9	Chrysene	240	J 3	410
117-81-7	bis(2-Ethylhexyl)phthalate	1500	7	410
117-84-0	Di-n-octylphthalate		U 7	410
205-99-2	Benzo(b)fluoranthene	220	12	410
207-08-9	Benzo(k)fluoranthene	76		410
50-32-8	Benzo(a)pyrene	140	J 3	410
193-39-5	Indeno(1,2,3-cd)pyrene	58	1.2	410
· 62-75-9	n-Nitrosodimethylamine		7. U	410
53-70-3	Dibenz(a,h)anthracene	54	12	410
		400	1 7	440

191-24-2

410

3/90

M-NY049

Benzo(g,h,i)perylene

PA 68-378

100

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	PLE	NC	)
				-

		IENIA	IIVEL	IDENTIF	ובט	COMILCOMPO		TP-5RE
Lab Name:	STL Nev	wburgh			C	ontract:		
Lab Code:	10142	C	ase No			SAS No.:	SE	OG No.: 237118
Matrix: (soil/v	vater)	SOIL		<del></del>		Lab Sample	ID:	237118-001RE
Sample wt/vo	ol:	30.12	(g/n	il) <u>G</u>		Lab File ID:		E72171.D
Level: (low/m	ned)	LOW				Date Receiv	/ed:	6/9/2004
% Moisture:	19.5	de	_ canted:	(Y/N)	N	Date Extrac	ted:	6/18/2004
Concentrated	Extract	— Volume:	1000	(uL)		Date Analyz	ed:	6/23/2004
Injection Volu	ıme: 2.0	) (uL)		_		Dilution Fac	tor:	1.0
- GPC Cleanur		N	pH:	7.82				

#### **CONCENTRATION UNITS:**

Number TICs found: 19 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.28	16000	JN
2. 000124-18-5	Decane	7.61	4000	JN
3.	ethylmethylbenzene isomer	8.00	1000	J
4. 013151-34-3	Decane, 3-methyl-	8.65	900	JN
5.	C10H14 isomer	8.91	930	J
6, 001120-21-4	Undecane	9.08	3200	JN
7.	C10H14 isomer	9.41	800	J
8.	C10H14 isomer	9.85	1100	J
9. 000544-76-3	Hexadecane	14.87	840	JN
10.	Unknown CnH2n+2	15.31	820	J
11.	Unknown CnH2n+2	15.86	57 <u>00</u>	J
12.	Unknown CnH2n+2	16.77	3300	J
13.	Unknown CnH2n+2	16.83	3500	J
14.	Unknown phthalate	17.34	2600	J
15.	Unknown CnH2n+2	17.53	1300	J
16.	Unknown CnH2n+2	17.64	2800	J
17.	Unknown CnH2n	18.30	1300	J
18.	Unknown CnH2n+2	18.48	1700	J
19.	Unknown	19.08	1900	J

SEVERN STL

3/90

M-NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-4	
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Lab Name:	STL Ne	wburgh		c	Contract:	_
Lab Code:	10142		Case No.:		SAS No.: 5	SDG No.: 237118
Matrix: (soil/	water)	SOIL			Lab Sample ID:	237118-002
Sample wt/v	ol:	30.65	(g/ml) <u>G</u>		Lab File ID:	E72166.D
Level: (low/r	ned)	LOW			Date Received:	6/9/2004
% Moisture:	27.7	·	decanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: <u>2</u>	.0(uL	)		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: 7.97	_	Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	450
108-95-2	Phenol	240	J	450
95-57-8	2-Chlorophenol		U	450
541-73-1	1,3-Dichlorobenzene		U	450
106-46-7	1,4-Dichlorobenzene		U	450
95-50-1	1,2-Dichlorobenzene		U	450
100-51-6	Benzyl alcohol		U	450
108-60-1	2,2'-oxybis(1-Chloropropane)		U	450
95-48-7	2-Methylphenol	84	J	450
67-72-1	Hexachioroethane		U	450
621-64-7	N-Nitroso-di-n-propylamine		Ü	450
106-44-5	4-Methylphenol	94	J	450
98-95-3	Nitrobenzene	3	J	450
78-59-1	Isophorone		U	450
88-75-5	2-Nitrophenol		U	450
105-67-9	2,4-Dimethylphenol	56	J	450
111-91-1	bis(2-Chloroethoxy)methane		U	450
120-83-2	2,4-Dichlorophenol		U	450
120-82-1	1,2,4-Trichlorobenzene		U	450
91-20-3	Naphthalene	370	J	450
106-47-8	4-Chloroaniline		U	450
87-68-3	Hexachlorobutadiene		U	450
59-50-7	4-Chloro-3-methylphenol		U	450
91-57-6	2-Methylnaphthalene	240	J	450
77-47-4	Hexachlorocyclopentadiene		UR	450
88-06-2	2,4,6-Trichlorophenol		U	450
95-95-4	2,4,5-Trichlorophenol		U	1100
91-58-7	2-Chloronaphthalene		U	450
88-74-4	2-Nitroaniline		U	1100
208-96-8	Acenaphthylene		U	450
131-11-3	Dimethylphthalate		U	450
606-20-2	2,6-Dinitrotoluene		U	450
83-32-9	Acenaphthene	840		450
99-09-2	3-Nitroaniline		U	1100
51-28-5	2,4-Dinitrophenol		U	1100
132-64-9	Dibenzofuran	510		450
121-14-2	2,4-Dinitrotoluene		U	450

SEVERN STL NYSDOH 10142

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### 1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	.E NO.
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TP-4
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Lab Name:	STL Ne	wburgh		Conf	tract:	
Lab Code:	10142	Ca	ase No.:	S/	AS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample	e ID: <u>237118-002</u>
Sample wt/vo	ol:	30.65	(g/ml) G		Lab File ID:	E72166.D
Level: (low/m		LOW			Date Recei	ved: 6/9/2004
% Moisture:	27.7	de	canted:(Y/N)	N	Date Extra	cted: 6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analy	zed: 6/23/2004
Injection Volu		.0 (uL)	<del></del>		Dilution Fac	etor: 1.0
GPC Cleanur	_	N	pH: 7.97		Units: (ug/L	or ug/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1100_
86-73-7	Fluorene	1000		450
7005-72-3	4-Chlorophenyl-phenylether		U	450
84-66-2	Diethylphthalate		U	450
100-01-6	4-Nitroaniline		U	1100
534-52-1	4,6-Dinitro-2-methylphenol		U	1100
86-30-6	n-Nitrosodiphenylamine (1)		U	450
101-55-3	4-Bromophenyl-phenylether		U	450
118-74-1	Hexachlorobenzene		U_	450
87-86-5	Pentachlorophenol		U	1100
85-01-8	Phenanthrene	15000	EJ	450
120-12-7	Anthracene	3600	E J	450
84-74-2	Di-n-butylphthalate		U	450
206-44-0	Fluoranthene	22000	E 7	450
129-00-0	Pyrene	40000	E 3	450
85-68-7	Butylbenzylphthalate		U 2	450
91-94-1	3,3'-Dichlorobenzidine		∪ <b>3</b>	450
56-55-3	Benzo(a)anthracene	15000	ΕJ	450
218-01-9	Chrysene	14000	E 2	450
117-81-7	bis(2-Ethylhexyl)phthalate	820	7	450
117-84-0	Di-n-octylphthalate		U .7	450
205-99-2	Benzo(b)fluoranthene	17000	ΕJ	450
207-08-9	Benzo(k)fluoranthene	6300	E 2	450
50-32-8	Benzo(a)pyrene	11000	E 2	450
193-39-5	Indeno(1,2,3-cd)pyrene	4200	EJ	450
62-75-9	n-Nitrosodimethylamine		U 2	450
53-70-3	Dibenz(a,h)anthracene	1400	3	450
191-24-2	Benzo(g,h,i)perylene	4300	E 3	450

SEVERN STL NYSDOH 10142

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE	NO

		IENIA	(IIACEL IDEIAH)	FIEU	COMP COMPO	TP-4
Lab Name:	STL Ne	wburgh		c	Contract:	_
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/	water)	SOIL			Lab Sample ID:	237118-002
Sample wt/ve	ol:	30.65	(g/ml) G		Lab File ID:	E72166.D
Level: (low/r		LOW			Date Received:	6/9/2004
% Moisture:	27.7	de	canted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	d Extract	Volume:	1000 (uL)		 Date Analyzed:	6/23/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: 7.97			

#### CONCENTRATION UNITS:

UG/KG (ug/L or ug/Kg) Number TICs found: 21

		1		
CAS NUMBER	COMPOUND NAME	RT	EST, CONC.	Q
1.	C7H14 isomer	4.40	550	J
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.26	22000	JN
3.	C9H12 isomer	7.57	290	J
4. 074381-40-1	Propanoic acid, 2-methyl-, 1-(1,1-	14.76	310	JN
5.	Unknown CnH2n+2	14.84	500	J
6.	Unknown CnH2n+2	15.29	700	J
7. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.84	2300	JN _
8. 000132-65-0	Dibenzothiophene	16.64	470	JN
9.	Unknown CnH2n+2	16.74	860	J
10.	Unknown CnH2n+2	16.79	900	J
11.	C13H9N isomer	17.11	430	J
12.	C13H9N isomer	17.32	290	J _
13. 86-74-8	Carbazole	17.40	2800	JN
14. 000629-92-5	Nonadecane	17.60	590	JN
15.	C15H12 isomer	17.91	750	J
16.	C15H12 isomer	17.97	670	J
17.	Unknown	18.13	1400	J
18.	C15H12 isomer	18.18	350	J
19. 000612-94-2	Naphthalene, 2-phenyl-	18.52	560	JN
	C20H12 isomer	24.41	570	J
20.	C20H12 isomer	24.69	1800	J
21.	CZULIZ ISUITICI			

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	).
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Lab Name:	STL Nev	vhurah		Contr	act:	11P-4DL
Lab Hairo.	0,11,0,					
Lab Code:	10142	Ca	se No.:	SA	S No.:	SDG No.: <u>237118</u>
Matrix: (soil/w	vater)	SOIL	_		Lab Sample ID	D: 237118-002DL
Sample wt/vo	ıl:	30.65	(g/ml) G		Lab File ID:	E72179.D
Level: (low/m	ned)	LOW	_		Date Received	i: <u>6/9/2004</u>
% Moisture:	27.7	ded	canted:(Y/N)	N	Date Extracted	d: 6/18/2004
Concentrated	Extract \	/olume: _1	1000 (uL)		Date Analyzed	: 6/23/2004
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Factor	25.0
GPC Cleanup	: (Y/N)	N	pH: <u>7.97</u>		Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11000
108-95-2	Phenoi		U	11000
95-57-8	2-Chlorophenoi		U	11000
541-73-1	1,3-Dichlorobenzene		U	11000
106-46-7	1,4-Dichlorobenzene		U	11000
95-50-1	1,2-Dichlorobenzene		U	11000
100-51-6	Benzyl alcohol		U	11000_
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11000
95-48-7	2-Methylphenol		U	11000
67-72-1	Hexachloroethane		U	11000
621-64-7	N-Nitroso-di-n-propylamine		U	11000
106-44-5	4-Methylphenol		U	11000
98-95-3	Nitrobenzene		U	11000
78-59-1	Isophorone		U	11000
88-75-5	2-Nitrophenol		U	11000
105-67-9	2,4-Dimethylphenol		U	11000
111-91-1	bis(2-Chloroethoxy)methane		U	11000
120-83-2	2,4-Dichlorophenol		U	11000
120-82-1	1,2,4-Trichlorobenzene		U	11000
91-20-3	Naphthalene		U	11000
106-47-8	4-Chloroaniline		U	11000
87-68-3	Hexachlorobutadiene		U	11000
59-50-7	4-Chloro-3-methylphenol		U	11000
91-57-6	2-Methylnaphthalene		U	11000
77-47-4	Hexachlorocyclopentadiene		UR	11000
88-06-2	2,4,6-Trichlorophenol		U	11000
95-95-4	2,4,5-Trichlorophenol		U	28000
91-58-7	2-Chloronaphthalene		U	11000
88-74-4	2-Nitroaniline		U	28000
208-96-8	Acenaphthylene		U	11000
131-11-3	Dimethylphthalate		U	11000
606-20-2	2,6-Dinitrotoluene		U	11000
83-32-9	Acenaphthene		U	11000
99-09-2	3-Nitroaniline		U	28000
51-28-5	2,4-Dinitrophenol		U	28000
132-64-9	Dibenzofuran		U	11000
121-14-2	2,4-Dinitrotoluene		U	11000

SEVERN STL NYSDOH 10142

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	SE	MIVOLATILE ORGANICS AN	ALYSIS DATA SHE		P-4DL	
Lab Name:	STL No	ewburgh	Contract:			
		Case No.:			No.: <u>2371</u>	18
		SOIL	Lab Sample			
		30.65 (g/ml) G	Lab File ID:	E72	2179.D	
Level: (low/r		_	Date Recei	ved: 6/9	/2004	
		decanted:(Y/N) N	Date Extrac	ted: 6/1	8/2004	_
		Volume: 1000 (uL)				
Injection Vol		<del></del>	Dilution Fac	tor: 25.	0	<u></u>
·	_	N pH: 7.97	Units: (ug/L	or ug/Kg	) UG/KG	
	, , , , ,	<u> </u>				
CAS NO.		COMPOUND	R	ESULT	Q	RL
100-02-7		4-Nitrophenol			U	28000
86-73-7		Fluorene			U	11000
7005-72-3		4-Chlorophenyl-phenylether			U	11000
84-66-2		Diethylphthalate			U	11000
100-01-6		4-Nitroaniline			U	28000
534-52-1		4,6-Dinitro-2-methylphenol			U	28000
86-30-6		n-Nitrosodiphenylamine (1)			U	11000
101-55-3		4-Bromophenyl-phenylether			U	11000
118-74-1		Hexachlorobenzene			U	11000
87-86-5		Pentachlorophenol			U	28000
85-01-8		Phenanthrene		18000	D D	11000

100-01-6	4-Nitroaniline		U	28000
534-52-1	4,6-Dinitro-2-methylphenol		U	28000
86-30-6	n-Nitrosodiphenylamine (1)		U	11000
101-55-3	4-Bromophenyl-phenylether		U	11000
118-74-1	Hexachlorobenzene		U	11000
87-86-5	Pentachlorophenol		U	28000
85-01-8	Phenanthrene	18000	. D	11000
120-12-7	Anthracene	4100	JD	11000
84-74-2	Di-n-butylphthalate		U	11000
206-44-0	Fluoranthene	40000	D	11000
129-00-0	Pyrene	29000	D	11000
85-68-7	Butylbenzylphthalate		U	11000
91-94-1	3,3'-Dichlorobenzidine		U	11000
56-55-3	Benzo(a)anthracene	14000	D	11000
218-01-9	Chrysene	17000	D	11000
117-81-7	bis(2-Ethylhexyl)phthalate		U	11000
117-84-0	Di-n-octylphthalate		U	11000
205-99-2	Benzo(b)fluoranthene	20000	D	11000
207-08-9	Benzo(k)fluoranthene	7500	JD	11000
50-32-8	Benzo(a)pyrene	12000	D	11000
193-39-5	Indeno(1,2,3-cd)pyrene	3800	JD	11000
62-75-9	n-Nitrosodimethylamine		U	11000
53-70-3	Dibenz(a,h)anthracene	1400	JD	11000
191-24-2	Benzo(g,h,i)perylene	3500	JD_	11000

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SA	MPI	_⊏	NO

Lab Name:	STL Ne	wburgh	Co	ntract:	17-19
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL		Lab Sample	e ID: 237118-003
Sample wt/vo	ol:	30.46 (g/ml) G		Lab File ID:	E72157.D
Level: (low/n	ned)	LOW		Date Receiv	ved: 6/9/2004
% Moisture:	20.8	decanted:(Y/N)	) <u>N</u>	Date Extrac	eted: 6/18/2004
Concentrated	Extract	Volume: 1000 (uL	)	Date Analyz	zed: 6/22/2004
Injection Volu	ıme: 2	.0 (uL)	•	Dilution Fac	otor: 1.0
GPC Cleanu	o: (Y/N)	N pH: 7.8		Units: (ug/L	or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	410
108-95-2	Phenoi		U	410
95-57-8	2-Chlorophenol		U	410
541-73-1	1,3-Dichlorobenzene		U	410
106-46-7	1,4-Dichlorobenzene		U	410
95-50-1	1,2-Dichlorobenzene		U	410
100-51-6	Benzyl alcohol		U	410
108-60-1	2,2'-oxybis(1-Chloropropane)		U	410
95-48-7	2-Methylphenol		U	410
67-72-1	Hexachloroethane		U	410
621-64-7	N-Nitroso-di-n-propylamine		U	410
106-44-5	4-Methylphenol	48	J	410
98-95-3	Nitrobenzene		U	410
78-59-1	Isophorone		U	410
88-75-5	2-Nitrophenol		U	410
105-67-9	2,4-Dimethylphenol		U	410
111-91-1	bis(2-Chloroethoxy)methane		U	410
120-83-2	2,4-Dichlorophenol		U	410
120-82-1	1,2,4-Trichlorobenzene		U	410
91-20-3	Naphthalene	300	J	410
106-47-8	4-Chloroaniline		U	410
87-68-3	Hexachlorobutadiene		U	410
59-50-7	4-Chloro-3-methylphenol		U	410
91-57-6	2-Methylnaphthalene	210	J	410
77-47-4	Hexachlorocyclopentadiene		Ü	410
88-06-2	2,4,6-Trichlorophenol		U	410
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthalene		U	410
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene	64	J	410
131-11-3	Dimethylphthalate		U	410
606-20-2	2.6-Dinitrotoluene		U	410
83-32-9	Acenaphthene	110	J	410
99-09-2	3-Nitroaniline		U	1000
51-28-5	2,4-Dinitrophenol		U	1000
132-64-9	Dibenzofuran	140	J	410
121-14-2	2,4-Dinitrotoluene		U	410

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#### 1C

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO.
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	TP-19			
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Lab Name:	STL Nev	wburgh		0	Contract:	_
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	_		Lab Sample ID:	237118-003
Sample wt/vo	ol:	30.46	(g/ml) G		Lab File ID:	E72157.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	20.8	de	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.	0_ (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 7.8		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	290	J	410
7005-72-3	4-Chlorophenyl-phenylether		U	410
84-66-2	Diethylphthalate		U	410
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol	<u> </u>	U	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	410
101-55-3	4-Bromophenyl-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachlorophenol		U	1000
85-01-8	Phenanthrene	1700		410
120-12-7	Anthracene	340	J	410
84-74-2	Di-n-butylphthalate		U	410
206-44-0	Fluoranthene	2200		410
129-00-0	Pyrene	2800	`	<u>4</u> 10
85-68-7	Butylbenzylphthalate		U	410
91-94-1	3,3'-Dichlorobenzidine		U	410
56-55-3	Benzo(a)anthracene	1000		410
218-01-9	Chrysene	1300		410
117-81-7	bis(2-Ethylhexyl)phthalate	120	J	410
117-84-0	Di-n-octylphthalate		ប្រ	410
205-99-2	Benzo(b)fluoranthene	1600	7	410
207-08-9	Benzo(k)fluoranthene	590	2	410
50-32-8	Benzo(a)pyrene	1100	J	410
193-39-5	Indeno(1,2,3-cd)pyrene	420	2	410
62-75-9	n-Nitrosodimethylamine		0 <u>7</u>	410
53-70-3	Dibenz(a,h)anthracene	150	J 🛣	410
191-24-2	Benzo(g,h,i)perylene	430	J	410



3/90 M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAME	PLE NO.
TP-19	

Lab Name:	STL Nev	wburgh		c	ontract:	_
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	-		Lab Sample ID:	237118-003
Sample wt/vo	•	30.46	 (g/ml) G		Lab File ID:	E72157.D
Level: (low/m		LOW			Date Received:	6/9/2004
% Moisture:	20.8	de	canted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	<del></del>	<del></del>	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	N	pH: 7.8			

### CONCENTRATION UNITS:

Number TICs found: 23	2 (ug/L o	r ug/Kg) <u>UG</u>	3/KG
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		1		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.25	12000	JN
2. 000124-18-5	Decane	7.60	190	JN
3.	Unknown Cyclohexane	9.61	100	J
4. 017301-23-4	Undecane, 2,6-dimethyl-	10.55	120	JN
5.	C14H30 isomer	11.28	170	J
6. 000090-12-0	Naphthalene, 1-methyl-	11.96	130	JN
7.	Unknown Cyclohexane	12.20	110	J
8.	Unknown CnH2n+2	12.78	100	J
9.	dimethyl Naphthalene isomer	13.24	98	J
10.	Unknown CnH2n+2	13.42	190	J
11. 002245-38-7	Naphthalene, 1,6,7-trimethyl-	14.37	110	JN
12.	Unknown CnH2n+2	15.30	400	j
13. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.84	770	JN
14.	Unknown	16.50	100	J
15.	Unknown	16.65	110	J
16.	Unknown CnH2n+2	16.78	510	J
17. 86-74-8	Carbazole	17.39	170	JN
18. 86-74-8	Carbazole	17.39	170	JN
19.	C15H12 isomer	17.89	450	J
20.	C15H12 isomer	17.96	260	J
21.	Unknown	18.11	510	J
22.	methyl Pyrene isomer	20.69	340	J

NJDEP 73015

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburah		C	Contract:	IP-19KE	
Lab Code:	10142		ase No.:		SAS No.:	SDG No.: 237118	_
Matrix: (soil/\	water)	SOIL			Lab Sample	ID: 237118-003RE	_
Sample wt/vo	ol:	30.46	(g/ml) G		Lab File ID:	E72176.D	
Level: (low/r	ned)	LOW			Date Receive	ed: 6/9/2004	
% Moisture:	20.8	de	ecanted:(Y/N)	N_	Date Extracte	ed: 6/18/2004	
Concentrated	Extract	 Volume:	1000 (uL)		Date Analyze	ed: 6/23/2004	
Injection Volu	ıme: 2	.0 (uL)			Dilution Facto	or: 1.0	
GPC Cleanu	p: (Y/N)	N	pH: 7.8		Units: (ug/L o	or ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	410
108-95-2	Phenol		U	410
95-57-8	2-Chlorophenol	•	υ	410
541-73-1	1,3-Dichlorobenzene		U	410
106-46-7	1.4-Dichlorobenzene		U	410
95-50-1	1,2-Dichlorobenzene		U	410
100-51-6	Benzyl alcohol		U	410
108-60-1	2,2'-oxybis(1-Chloropropane)		Ú	410
95-48-7	2-Methylphenol		U	410
67-72-1	Hexachloroethane		U	410
621-64-7	N-Nitroso-di-n-propylamine		U	410
106-44-5	4-Methylphenol	48	j	410
98-95-3	Nitrobenzene		U	410
78-59-1	Isophorone		U	410
88-75-5	2-Nitrophenol		U	410
105-67-9	2,4-Dimethylphenol		U	410
111-91-1	bis(2-Chioroethoxy)methane		Ū	410
120-83-2	2,4-Dichlorophenol		υ	410
120-82-1	1,2,4-Trichlorobenzene		U	410
91-20-3	Naphthalene	280	J	410
106-47-8	4-Chloroaniline		U	410
87-68-3	Hexachlorobutadiene		U	410
59-50-7	4-Chloro-3-methylphenol		U	410
91-57-6	2-Methylnaphthalene	210	J	410
77-47-4	Hexachlorocyclopentadiene		UR	410
88-06-2	2,4,6-Trichlorophenol		υ	410
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthaiene		U	410
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene	64	J	410
131-11-3	Dimethylphthalate		U	410
606-20-2	2.6-Dinitrotoluene		U	410
83-32-9	Acenaphthene	110	J	410
99-09-2	3-Nitroaniline		U	1000
51-28-5	2,4-Dinitrophenol		U	1000
132-64-9	Dibenzofuran	130	J	410
121-14-2	2,4-Dinitrotoluene		U	410

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3/90 M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-19	RF	
'' '		

Lab Name:	STL Ne	wburgh_		c	ontract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	water)	SOIL			Lab Sample ID:	237118-003RE
Sample wt/vo	oi:	30.46	(g/ml) <u>G</u>		Lab File ID:	E72176.D
Level: (low/r	ned)	LOW			Date Received:	6/9/2004
% Moisture:	20.8	i	decanted:(Y/N) _	N	Date Extracted:	6/18/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2	.0 (uL	)		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: <u>7.8</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		υ	1000
86-73-7	Fluorene	280	J	410
7005-72-3	4-Chlorophenyl-phenylether		U	410
84-66-2	Diethylphthalate		U	410
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	410
101-55-3	4-Bromophenyl-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachlorophenol		U	1000
85-01-8	Phenanthrene	1700	<u> </u>	410
120-12-7	Anthracene	340	J	410
84-74-2	Di-n-butylphthalate		U	410
206-44-0	Fluoranthene	2200		410
129-00-0	Pyrene	3000		410
85-68-7	Butylbenzylphthalate		U	410
91-94-1	3,3'-Dichlorobenzidine		U	410
56-55-3	Benzo(a)anthracene	1000		410
218-01-9	Chrysene	1200		410
117-81-7	bis(2-Ethylhexyl)phthalate	130	J	410
117-84-0	Di-n-octylphthalate		U <b>T</b>	410
205-99-2	Benzo(b)fluoranthene	1500	7	410
207-08-9	Benzo(k)fluoranthene	660		410
50-32-8	Benzo(a)pyrene	1000		410
193-39-5	Indeno(1,2,3-cd)pyrene	450	7	410
62-75-9	n-Nitrosodimethylamine		U 3	410
53-70-3	Dibenz(a,h)anthracene	170	12	410
191-24-2	Benzo(g,h,i)perylene	430	7	410

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E٢	Ά	SA	١M١	PLE	: N	O.
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		I CIVIATIVE DE INCIVITION	ED COMI COMPO	TP-19RE
Lab Name:	STL Ne	wburgh	Contract:	H -101C
Lab Code:	10142	Case No.:	SAS No.: SI	DG No.: 237118
Matrix: (soil/	water)	SOIL	Lab Sample ID:	237118-003RE
Sample wt/v	ol:	30.46 (g/ml) G	Lab File ID:	E72176.D
Level: (low/r	ned)	LOW	Date Received:	6/9/2004
% Moisture:	20.8	decanted: (Y/N)	N Date Extracted:	6/18/2004
Concentrate	d Extract	Volume: 1000 (uL)	Date Analyzed:	6/23/2004
Injection Vol	ume: 2.0	0(uL)	Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N pH: 7.8		

#### **CONCENTRATION UNITS:**

Number TICs found:	20	(ug/L or ug/Kg)	UG/KG
Mailibel 1109 toutio.	2.0	(-5,, -5, -5)	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.21	9900	JN
2. 000124-18-5	Decane	7.57	180	JN
3.	C13H28 isomer	10.53	120	J
4.	Unknown CnH2n+2	11.26_	170	J
5.	methylnaphthalene isomer	11.94	130	J
6.	Unknown CnH2n+2	13.40	180	J
7.	Unknown CnH2n+2	15.28	400	J
8. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.82	780	JN
9. 000529-05-5	Azulene, 7-ethyl-1,4-dimethyl-	15.87	120	JN_
10.	Unknown	16.47	150	J
11.	Unknown CnH2n+2	16.76	530	J
12, 86-74-8	Carbazole	17.37	160	JN
13.	Unknown CnH2n+2	17.47	130	J
14,	C15H12 isomer	17.87	180	J
15.	C15H12 isomer	17.94	220	J
16.	Unknown Hydrocarbon	18.09	520	J
17. 000612-94-2	Naphthalene, 2-phenyl-	18.48	170	JN_
18	Unknown	19.19	190	J
19.	methylpyrene isomer	20.67	330	J
20.	C20H12 isomer	24.68	910	J

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Nev	wburgh		c	Contract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-004
Sample wt/vo	ol:	30.31	(g/ml) <u>G</u>		Lab File ID:	E72159.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	23.4		decanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		. Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 7.66		Units: (ug/L or น	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	430
108-95-2	Phenol	110	J	430
95-57-8	2-Chlorophenol		U	430
541-73-1	1,3-Dichlorobenzene		J	430
106-46-7	1,4-Dichlorobenzene		U	430
95-50-1	1,2-Dichlorobenzene		C	430
100-51-6	Benzyl alcohol		U	430
108-60-1	2,2'-oxybis(1-Chloropropane)		U	430
95-48-7	2-Methylphenol	81	J	430
67-72-1	Hexachioroethane		U	430
621-64-7	N-Nitroso-di-n-propylamine		U	430
106-44-5	4-Methylphenol	170	J	430
98-95-3	Nitrobenzene		U	430
78-59-1	Isophorone		U	430
88-75-5	2-Nitrophenol		U	430
105-67-9	2,4-Dimethylphenol	61	J	430
111-91-1	bis(2-Chloroethoxy)methane		U	430
120-83-2	2,4-Dichlorophenol		U	430
120-82-1	1,2,4-Trichlorobenzene		U	430
91-20-3	Naphthalene	1200		430
106-47-8	4-Chioroaniline		U	430
87-68-3	Hexachlorobutadiene		U	430
59-50-7	4-Chloro-3-methylphenol		U	430
91-57-6	2-Methylnaphthalene	620		430
77-47-4	Hexachlorocyclopentadiene		U	430
88-06-2	2,4,6-Trichlorophenol		U	430 _
95-95-4	2,4,5-Trichlorophenol		U	1100
91-58-7	2-Chloronaphthalene		U	430
88-74-4	2-Nitroaniline		U	1100
208-96-8	Acenaphthylene		U	430
131-11-3	Dimethylphthalate		U	430
606-20-2	2,6-Dinitrotoluene		U	430
83-32-9	Acenaphthene	610		430
99-09-2	3-Nitroaniline		U	1100
51-28-5	2,4-Dinitrophenol		U	1100
132-64-9	Dibenzofuran	620		430
121-14-2	2,4-Dinitrotoluene		U	430

SEVERN STL NYSDOH 10142

FORM I SV-1 NJDEP 73016 CTDOHS PH-0554

PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

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M-NY049

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EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL New	burgh		c	ontract:	
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	: 237118-004
Sample wt/vo	ol:	30.31	(g/ml) G		Lab File ID:	E72159.D
Level: (low/n	ned)	LOW			Date Received	6/9/2004
% Moisture:	23.4	de	 ecanted:(Y/N)	N	Date Extracted	: 6/18/2004
Concentrated	Extract V	olume:	1000 (uL)	-	Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Factor:	1.0
GPC Cleanup		N_	pH: 7.66	_	Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO. COMPOUND		RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1100
86-73-7	Fluorene	1000		430
7005-72-3	4-Chlorophenyl-phenylether		U	430
84-66-2	Diethylphthalate		U	430
100-01-6	4-Nitroaniline		Ü	1100
534-52-1	4,6-Dinitro-2-methylphenol		U	1100
86-30-6	n-Nitrosodiphenylamine (1)		U	430
101-55-3	4-Bromophenyl-phenylether		U	430
118-74-1	Hexachlorobenzene		U	430
87-86-5	Pentachlorophenol		U	1100
85-01-8	Phenanthrene	4600	_ E 2	430
120-12-7	Anthracene	1300		430
84-74-2	Di-n-butylphthalate	44	J	430
206-44-0	Fluoranthene	2700		430
129-00-0	Pyrene	4500	E <u>T</u>	430
85-68-7	Butylbenzylphthalate		U <b>T</b>	430
91-94-1	3,3'-Dichlorobenzidine		UI	430
56-55-3	Benzo(a)anthracene	1500	3	430
218-01-9	Chrysene	1400	্য	430
117-81-7	bis(2-Ethylhexyl)phthalate	5400	Eα	430
117-84-0	Di-n-octylphthalate		U 2 .	430
205-99-2	Benzo(b)fluoranthene	1700	2	430
207-08-9	Benzo(k)fluoranthene	640	2	430
50-32-8	Benzo(a)pyrene	1000	2	430
193-39-5	Indeno(1,2,3-cd)pyrene	420	J 2	430
62-75-9	n-Nitrosodimethylamine		U 7	430
53-70-3	Dibenz(a,h)anthracene	150	7.2	430
191-24-2	Benzo(g,h,i)perylene	410	J <b>3</b>	430

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SA	MPLE	NO.
TP-12		

Lab Name:	STL Nev	wburgh		0	ontract:	
Lab Code:	10142	Cas	e No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/w	vater)	SOIL			Lab Sample I	D: 237118-004
Sample wt/vo	ol:	30.31	(g/ml) G		Lab File ID:	E72159.D
Level: (low/m	ned)	LOW			Date Receive	d: 6/9/2004
% Moisture:	23.4	deca	nted: (Y/N)	N	Date Extracte	d: 6/18/2004
Concentrated	Extract	— Volume: 1	000 (uL)		Date Analyze	d: 6/22/2004
Injection Volu			<del></del> -		Dilution Facto	r: <u>1.0</u>
CPC Cleanur	 (Y/N)	N r	oH: 7.66			

### CONCENTRATION UNITS:

Number TICs found:	20	(ug/L or ug/Kg)	UG/KG

talling the transfer				T
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.33	29000	JN
2: 00 <del>0100-41-4</del>	Ethylbenzene	5.43	390-	- N- A
3.	Benzene isomer	5.60	1000	J
4. 000108-38-3	Benzene, 1,3-dimethyl-	5.97	310	JN
5. 000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.92	430	JN
6.	tetramethyl Benzene isomer	9.38	230	J
7.	tetramethyl Benzene isomer	9.43	400	J
8. 000090-12-0	Naphthalene, 1-methyl-	11.97	350	JN
9. 000629-59-4	Tetradecane	12.78	210	JN
	dimethyl Naphthalene isomer	13.26	180	J
<u>10.</u>	Unknown CnH2n+2	13.44	530	J
<u>11.                                     </u>	C15H28 isomer	13.66	240	J
<u> 12.                                      </u>	trimethyl Naphthalene isomer	14.40	300	J
13.	Unknown CnH2n+2	14.52	650	J
<u> 14.                                      </u>	Unknown	14.69	200	J
15.	Hexadecane	14.89	460	JN
16. 000544-76-3		15.36	2100	J
17.	dimethyl Undecane isomer Unknown CnH2n+2	15.93	860	J
18.		17.45	640	JN 1
<del>19. 86-74-8</del>	Cabazole	17.45	640	JN
20. 86-74-8	Carbazole	11,50		<del></del>

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PA 68-378

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMP	LE NO.
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						1P-12UL
Lab Name:	STL Nev	wburgh		c	ontract:	
Lab Code:	10142	Ca	se No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample I	D: 237118-004DL
Sample wt/vo	ol:	30.31	(g/ml) G		Lab File ID:	E72164.D
Level: (low/n	ned)	LOW			Date Receive	d: 6/9/2004
% Moisture:	23.4	de	canted:(Y/N)	N	Date Extracte	d: <u>6/18/2004</u>
Concentrated	Extract '	Volume:	1000 (uL)		Date Analyzed	d: 6/23/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Facto	r: 2.0
GPC Cleanup		N	pH: <u>7.66</u>	-	Units: (ug/L or	ug/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL.
111-44-4	bis(2-Chloroethyl)ether		U	860
108-95-2	Phenol	110	JD	860
95-57-8	2-Chlorophenol		U	860
541-73-1	1,3-Dichlorobenzene		U	860
106-46-7	1,4-Dichlorobenzene		U	860
95-50-1	1,2-Dichlorobenzene		U	860
100-51-6	Benzyl alcohol		U	860
108-60-1	2,2'-oxybis(1-Chloropropane)		U	860
95-48-7	2-Methylphenol		U	860
67-72-1	Hexachloroethane		U	860
621-64-7	N-Nitroso-di-n-propylamine		U	860_
106-44-5	4-Methylphenol	170	JD	860
98-95-3	Nitrobenzene		U	860
78-59-1	Isophorone		U	860
88-75-5	2-Nitrophenol		U	860
105-67-9	2,4-Dimethylphenol		U	860
111-91-1	bis(2-Chloroethoxy)methane		U	860
120-83-2	2,4-Dichlorophenol		U	860
120-82-1	1,2,4-Trichlorobenzene		U	860
91-20-3	Naphthalene	1300_	D	860
106-47-8	4-Chloroaniline		U	860
87-68-3	Hexachlorobutadiene		U	860
59-50-7	4-Chloro-3-methylphenol		U	860
91-57-6	2-Methylnaphthalene	620	JD	860
77-47-4	Hexachlorocyclopentadiene		UR	860
88-06-2	2,4,6-Trichlorophenol		U	860
95-95-4	2,4,5-Trichlorophenol		U	2200
91-58-7	2-Chloronaphthalene		U	860
88-74-4	2-Nitroaniline		U	2200
208-96-8	Acenaphthylene		U	860
131-11-3	Dimethylphthalate		U	860
606-20-2	2,6-Dinitrotoluene		U	860
83-32-9	Acenaphthene	640	JD	860
99-09-2	3-Nitroaniline		U	2200
51-28-5	2,4-Dinitrophenol		U	2200
132-64-9	Dibenzofuran	630	JD	860
121-14-2	2,4-Dinitrotoluene		U	860

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	O 4 8	101	_	NI/O
$-\nu$	$\sim \Delta n$	nr.	-	M
-	U_1	711 L	_	

Lab Name:	STL Ne	wburgh		С	ontract:	1P-12DL
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL	_		Lab Sample ID:	237118-004DL
Sample wt/vo	ol:	30.31	(g/ml) G		Lab File ID:	E72164.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	23.4	de	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract	— Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2.	.0 (uL)	101.12.00		Dilution Factor:	2.0
GPC Cleanup	: (Y/N)	N	pH: 7.66		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO. COMPOUND		RESULT	Q	· RL
100-02-7	4-Nitrophenol		U	2200
86-73-7	Fluorene	1100	D	860
7005-72-3	4-Chlorophenyl-phenylether		U	860
84-66-2	Diethylphthalate		U	860
100-01-6	4-Nitroaniline		U	2200
534-52-1	4,6-Dinitro-2-methylphenol		U	2200
86-30-6	n-Nitrosodiphenylamine (1)		U	860
101-55-3	4-Bromophenyl-phenylether		U	860
118-74-1	Hexachlorobenzene		U	860
87-86-5	Pentachlorophènol		U	2200
85-01-8	Phenanthrene	4700	D	860
120-12-7	Anthracene	1300	D	860
84-74-2	Di-n-butylphthalate		U	860
206-44-0	Fluoranthene	3800	D	860
129-00-0	Pyrene	3400	DI	860
85-68-7	Butylbenzylphthalate		n 2	860
91-94-1	3,3'-Dichlorobenzidine		n 2	860
56-55-3	Benzo(a)anthracene	1500	D 7	860
218-01-9	Chrysene	1600	D 7	860
117-81-7	bis(2-Ethylhexyl)phthalate	4900	D 3	860
117-84-0	Di-n-octylphthalate		0.2	. 860
205-99-2	Benzo(b)fluoranthene	1900	D 3	860
207-08-9	Benzo(k)fluoranthene	590	1D 2	860
50-32-8	Benzo(a)pyrene	1100	D 7	860
193-39-5	Indeno(1,2,3-cd)pyrene	390	JD 3	860
62-75-9	n-Nitrosodimethylamine		U 2	860
53-70-3	Dibenz(a,h)anthracene	140	JD 3	860
191-24-2	Benzo(g,h,i)perylene	340	JD 🏅	860

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA :	SAMPL	E NO
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Lab Name:	STL Ne	wburah		С	ontract:	
Lab Code:	10142		ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	water)	SOIL	_		Lab Sample ID:	237118-005
Sample wt/vo	ol:	30.11	(g/ml) G		Lab File ID:	E72168.D
Level: (low/n	ned)	LOW	_		Date Received:	6/9/2004
% Moisture:	49.6	de	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2	.0 (uL)			Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: <u>7.41</u>	_	Units: (ug/L or t	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	660
108-95-2	Phenol		U	660
95-57-8	2-Chlorophenol		U	660
541-73-1	1,3-Dichlorobenzene		U	660
106-46-7	1,4-Dichlorobenzene	88	J	660
95-50-1	1,2-Dichlorobenzene		U	660
100-51-6	Benzyl alcohol		U	660
108-60-1	2,2'-oxybis(1-Chloropropane)		U	660
95-48-7	2-Methylphenol		U	660
67-72-1	Hexachloroethane		U	660
621-64-7	N-Nitroso-di-n-propylamine		U	660
106-44-5	4-Methylphenol		U	660
98-95-3	Nitrobenzene		U	660
78-59-1	Isophorone		U	660
88-75-5	2-Nitrophenol		U	660
105-67-9	2,4-Dimethylphenol		U	660
111-91-1	bis(2-Chloroethoxy)methane		U	660
120-83-2	2,4-Dichlorophenol		U_	660
120-82-1	1,2,4-Trichlorobenzene		U	660
91-20-3	Naphthalene	130	J	660
106-47-8	4-Chloroaniline		U	660
87-68-3	Hexachiorobutadiene		U	660
59-50-7	4-Chloro-3-methylphenol		U	660
91-57-6	2-Methylnaphthalene	100	J	660
77-47-4	Hexachlorocyclopentadiene		UR	660
88-06-2	2,4,6-Trichlorophenol		U	660
95-95-4	2,4,5-Trichlorophenol		U	1600
91-58-7	2-Chloronaphthalene		U	660
88-74-4	2-Nitroaniline		U	1600
208-96-8	Acenaphthylene		U	660
131-11-3	Dimethylphthalate		U	660
606-20-2	2,6-Dinitrotoluene	·	U	660
83-32-9	Acenaphthene	91	J	660
99-09-2	3-Nitroaniline		U	1600
51-28-5	2,4-Dinitrophenol		U	1600
132-64-9	Dibenzofuran	87	J	660
121-14-2	2,4-Dinitrotoluene		U	660

STL Newburgh is a part of Severn Trent Leboratories, Inc.



NYSDOH 10142

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-17	
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Lab Name:	STL Nev	wburgh		_ c	contract:	
Lab Code:	10142	c	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-005,
Sample wt/vo	ol:	30.11	(g/ml) G		Lab File ID:	E72168.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	49.6	de	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	N	pH: <u>7.41</u>		Units: (ug/L or เ	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1600
86-73-7	Fluorene	160	J	660
7005-72-3	4-Chiorophenyl-phenylether		U	660
84-66-2	Diethylphthalate		U	660
100-01-6	4-Nitroaniline		U	1600
534-52-1	4,6-Dinitro-2-methylphenol		U	1600
86-30-6	n-Nitrosodiphenylamine (1)		U	660
101-55-3	4-Bromophenyl-phenylether		U	660
118-74-1	Hexachlorobenzene		U	660
87-86-5	Pentachlorophenol		U	1600
85-01-8	Phenanthrene	1200		660
120-12-7	Anthracene	210	J	660
84-74-2	Di-n-butylphthalate		U	660
206-44-0	Fluoranthene	1400		660
129-00-0	Pyrene	2200		660
85-68-7	Butylbenzylphthalate	800		660
91-94-1	3,3'-Dichlorobenzidine		<u> </u>	660
56-55-3	Benzo(a)anthracene	680		660
218-01-9	Chrysene	810		660
117-81-7	bis(2-Ethylhexyl)phthalate	900		660
117-84-0	Di-n-octylphthalate		U T .	660
205-99-2	Benzo(b)fluoranthene	1000	1 2	660
207-08-9	Benzo(k)fluoranthene	330		660
50-32-8	Benzo(a)pyrene	700	7	660_
193-39-5	Indeno(1,2,3-cd)pyrene	310	7.2	660
62-75-9	n-Nitrosodimethylamine		U 3	660
53-70-3	Dibenz(a,h)anthracene	130	J <u>3</u>	660
191-24-2	Benzo(g,h,i)perylene	360	J 🕽	660

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMF	LE	NO.

		IENIA	(IIAFFI INFIALI	1 120 001	00.100	TP-17
Lab Name:	STL Newburgh			Contract:		
Lab Code:	10142 Case No.:		ase No.:	SA	S No.: S	DG No.: 237118
Matrix: (soil/	vater)	SOIL			Lab Sample ID:	237118-005
Sample wt/vo	ol:	30.11	(g/ml) G		Lab File ID:	E72168.D
Level: (low/r	ned)	LOW			Date Received:	6/9/2004
% Moisture:	49.6	de	canted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ume: 2.	0(uL)			Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: <u>7.41</u>			

#### **CONCENTRATION UNITS:**

Number TICs found:	11	(ug/L or ug/Kg)	UG/KG

	I	7		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.29	38000	JN
2.	C7H6O2 isomer	8.39	470	J
3.	Unknown CnH2n+2	15.29	570	J_
4.	C19H40 isomer	15.83	1600	J
5.	Unknown CnH2n+2	16.71	270	J
6.	Unknown CnH2n+2	16.77	1000	J
7. 86-74-8	Carbazole	17.38	. 100	JN
8.	C15H12 isomer	18.10	520	J
9.	Unknown CnH2n+2	19.19	500	J
10.	Unknown CnH2n+2	20.67	2300	J
11.	Unknown CnH2n+2	22.01	1900	J

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CDA	CAR	ADI	NO
<b>EPA</b>	SAI	VII L	 IVO.

Lab Name:	STL Ne	wburgh		Contrac	t:	1P-17RE
Lab Code:	10142	Case	No.:	SAS	No.: {	SDG No.: 237118
Matrix: (soil/v	water)	SOIL		i	_ab Sample ID:	237118-005RE
Sample wt/vo	ol:	30.11 (	g/ml) G	_ !	_ab File ID:	E72197.D
Level: (low/n	ned)	LOW		ĵ	Date Received:	6/9/2004
% Moisture:	49.6	decar	nted:(Y/N)	N[	Date Extracted:	6/18/2004
Concentrated	Extract	Volume: 100	00 (uL)	ľ	Date Analyzed:	6/24/2004
Injection Volu	ıme: 2	.0 (uL)		Ε	Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	— N pi	H: 7.41	ι	Jnits: (ug/L or u	g/Kg) UG/KG

CAS NO.	D. COMPOUND RESULT		Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	660
108-95-2	Phenol		U	660
95-57-8	2-Chlorophenol		U	660
541-73-1	1,3-Dichlorobenzene		U	660
106-46-7	1,4-Dichlorobenzene	78	J	660
95-50-1	1,2-Dichlorobenzene		U	660
100-51-6	Benzyl alcohol		U	660
108-60-1	2,2'-oxybis(1-Chloropropane)		U	660
95-48-7	2-Methylphenol		U	660
67-72-1	Hexachloroethane		U	660
621-64-7	N-Nitroso-di-n-propylamine		U	660
106-44-5	4-Methylphenol		U	660
98-95-3	Nitrobenzene		U	660
78-59-1	Isophorone		U	660
88-75-5	2-Nitrophenol		U _	660
105-67-9	2,4-Dimethylphenol		U	660
111-91-1	bis(2-Chloroethoxy)methane		U	660
120-83-2	2,4-Dichlorophenol		U	660
120-82-1	1,2,4-Trichlorobenzene		U	660
91-20-3	Naphthalene	140	J	660
106-47-8	4-Chloroaniline		U	660
87-68-3	Hexachlorobutadiene		U	660
59-50-7	4-Chloro-3-methylphenol		U	660
91-57-6	2-Methylnaphthalene	100	J	660
77-47-4	Hexachlorocyclopentadiene		UR	660
88-06-2	2,4,6-Trichlorophenol		U	660
95-95-4	2,4,5-Trichiorophenol		U	1600
91-58-7	2-Chioronaphthalene		U	660
88-74-4	2-Nitroaniline		U _	1600
208-96-8	Acenaphthylene		U	660
131-11-3	Dimethylphthalate		U	660
606-20-2	2,6-Dinitrotoluene		U	660
83-32-9	Acenaphthene	98	J	660
99-09-2	3-Nitroaniline		U	1600
51-28-5	2,4-Dinitrophenol		U	1600
132-64-9	Dibenzofuran	90	J	660
121-14-2	2,4-Dinitrotoluene		U	660

SEVERN STL NYSDOH 10142

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-17RE

Lab Name:	STL Nev	wburgh		Cc	ontract:	
Lab Code:	10142	Ca	se No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	<b>-</b> -		Lab Sample ID:	237118-005RE
Sample wt/vo	ol:	30.11	(g/mi) G		Lab File ID:	E72197.D
Level: (low/n	ned)	LOW	<del></del>		Date Received:	6/9/2004
% Moisture:	49.6	de	canted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	i Extract \	/olume: _	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: <u>2</u> .	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: <u>7.41</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1600
86-73-7	Fluorene	160	J	660
7005-72-3	4-Chlorophenyl-phenylether		U	660
84-66-2	Diethylphthalate		U	660
100-01-6	4-Nitroaniline		U L	1600
534-52-1	4,6-Dinitro-2-methylphenol		U	1600
86-30-6	n-Nitrosodiphenylamine (1)		U	660
101-55-3	4-Bromophenyi-phenylether		U	660
118-74-1	Hexachlorobenzene		U	660
87-86-5	Pentachiorophenol		U	1600
85-01-8	Phenanthrene	1200		660
120-12-7	Anthracene	210	J	660
84-74-2	Di-n-butylphthalate		U	660
206-44-0	Fluoranthene	1200		660
129-00-0	Pyrene	2400	7	660
85-68-7	Butylbenzylphthalate	810	7	660
91-94-1	3,3'-Dichlorobenzidine		υ 3	660
56-55-3	Benzo(a)anthracene	660	<u> </u>	660
218-01-9	Chrysene	840	J	660
117-81-7	bis(2-Ethylhexyl)phthalate	950	7	660
117-84-0	Di-n-octylphthalate		U <b>3</b>	. 660
205-99-2	Benzo(b)fluoranthene	1000	2	660
207-08-9	Benzo(k)fluoranthene	330	12	660
50-32-8	Benzo(a)pyrene	710	2	660
193-39-5	Indeno(1,2,3-cd)pyrene	310	1 2	660
62-75-9	n-Nitrosodimethylamine		U 2	660
53-70-3	Dibenz(a,h)anthracene	150	1.2	660
101.01.0	Daniel (a la live en deur	240	1 7	660



191-24-2

660

3/90

M-NY049

PA 68-378

Benzo(g,h,i)perylene

340

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

		IENIA	HACT IDEIAH	11111	COM COMBO	TP-17RE
Lab Name:	STL Ne	wburgh		С	ontract:	
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/\	water)	SOIL	<del></del>		Lab Sample ID:	237118-005RE
Sample wt/vo		30.11	 (g/ml) G		Lab File ID:	E72197.D
Level: (low/n		LOW	<u> </u>		Date Received:	6/9/2004
% Moisture:	, 49.6	de	 canted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated			1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu			<u> </u>		Dilution Factor:	1.0
GPC Cleanu	_	N	pH: 7.41			

### **CONCENTRATION UNITS:**

Number TICs found:	12	(ug/L or ug/Kg)	UG/KG

			T		T .
CAS	S NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1	000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.27	29000	JN
<del></del>	000120 12 2	hydroxybenzaldehyde isomer	8.36	340	J
3.		Unknown Hydrocarbon	15.25	570	J
4.	001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.81	1700	JN
5,	001021100	Unknown CnH2n+2	16.75	1000	J
6.	86-74-8	Carbazole	17.36	95	JN
- <del>0.</del> 7.	00-14-0	methylphenanthrene isomer	18.08	470	J
8.		Unknown CnH2n+2	19.17	490	J
9.		Unknown	19.81	1900	J
10.		Unknown CnH2n+2	19.92	1300	J
11.		Unknown CnH2n+2	20.63	2500	J
12.		Unknown CnH2n+2	21.98	2300	J

EPA NY049

3/90

M-NY049

#### EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	TP-18		
L		 	

Lab Name:	STL Nev	wburgh		c	ontract:	
Lab Code:	10142	Ca	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL			Lab Sample ID:	237118-006
Sample wt/vo	ol:	30.44	(g/ml) G		Lab File ID:	E72147.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	54.1	de	canted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup		N	pH: <u>8.08</u>		Units: (ug/L or u	g/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	720
108-95-2	Phenol		U	720
95-57-8	2-Chlorophenol		U	720
541-73-1	1,3-Dichlorobenzene		U	720
106-46-7	1,4-Dichlorobenzene		U	720
95-50-1	1,2-Dichlorobenzene		U	720
100-51-6	Benzyl alcohol		U	720
108-60-1	2,2'-oxybis(1-Chloropropane)		U	720
95-48-7	2-Methylphenol		U	720
67-72-1	Hexachloroethane		U	720
621-64-7	N-Nitroso-di-n-propylamine		U	720
106-44-5	4-Methylphenol		U	720
98-95-3	Nitrobenzene		U L	720
78-59-1	Isophorone		U	720
88-75-5	2-Nitrophenol	<u> </u>	U	720
105-67-9	2,4-Dimethylphenol		U	720
111-91-1	bis(2-Chloroethoxy)methane	-	U	720
120-83-2	2,4-Dichlorophenol		U	720
120-82-1	1,2,4-Trichlorobenzene		U	720
91-20-3	Naphthalene	110	J	720
106-47-8	4-Chloroaniline		U	720
87-68-3	Hexachlorobutadiene		UU	720
59-50-7	4-Chloro-3-methylphenol		U	720
91-57-6	2-Methylnaphthalene		U	720
77-47-4	Hexachlorocyclopentadiene		U	720
88-06-2	2.4.6-Trichlorophenol		U	720
95-95-4	2,4,5-Trichlorophenol		U	1800
91-58-7	2-Chloronaphthalene		U	720
88-74-4	2-Nitroaniline		U _	1800
208-96-8	Acenaphthylene		U	720
131-11-3	Dimethylphthalate		U	720
606-20-2	2,6-Dinitrotoluene		U	720
83-32-9	Acenaphthene		U	720
99-09-2	3-Nitroaniline		U	1800
51-28-5	2,4-Dinitrophenol		U	1800
132-64-9	Dibenzofuran		U	720
121-14-2	2,4-Dinitrotoluene		<u> </u>	720

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3/On STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TD 40

Lab Name:	STL Nev	wburgh			Contract:		
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 23711	8
Matrix: (soil/v	vater)	SOIL			Lab Sample	e ID: 237118-006	
Sample wt/vo	ol:	30.44	_ (g/ml) <u>G</u>	}	Lab File ID:	E72147.D	_
Level: (low/m	ned)	LOW			Date Receiv	ved: 6/9/2004	_
% Moisture:	54.1	de	ecanted:(Y/N	N) <u>N</u>	Date Extract	ted: 6/18/2004	
Concentrated	i Extract	Volume:	1000 (u	L)	Date Analyz	red: 6/22/2004	_
Injection Volu	me: 2.	0 (uL)			Dilution Fact	tor: 1.0	_
GPC Cleanur	o: (Y/N)	N	pH: <u>8.08</u>	3	Units: (ug/L	or ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1800
86-73-7	Fluorene		U	720
7005-72-3	4-Chlorophenyl-phenylether		U	720
84-66-2	Diethylphthalate		U	720
100-01-6	4-Nitroaniline		U	1800
534-52-1	4,6-Dinitro-2-methylphenol		U	1800
86-30-6	n-Nitrosodiphenylamine (1)		U	720
101-55-3	4-Bromophenyl-phenylether		U	720
118-74-1	Hexachiorobenzene		U	720
87-86-5	Pentachlorophenol		U	1800
85-01 <b>-</b> 8	Phenanthrene	170	J	720
120-12-7	Anthracene		U	720
84-74-2	Di-n-butylphthalate		U	720
206-44-0	Fluoranthene	190	J	720
129-00-0	Pyrene	140	J	720
85-68-7	Butylbenzylphthalate		U	720
91-94-1	3,3'-Dichlorobenzidine		U	720
56-55-3	Benzo(a)anthracene	82	J	720
218-01-9	Chrysene	97	J	720
117-81-7	bis(2-Ethylhexyl)phthalate	440	J	720
117-84-0	Di-n-octylphthalate		U ·	. 720
205-99-2	Benzo(b)fluoranthene	93	J	720
207-08-9	Benzo(k)fluoranthene		U	720
50-32-8	Benzo(a)pyrene		U	720
193-39-5	Indeno(1,2,3-cd)pyrene		U	720
62-75-9	n-Nitrosodimethylamine		U	720
53-70-3	Dibenz(a,h)anthracene		U	720
191-24-2	Benzo(g,h,i)perylene		U	720

3/90

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMF	LE	NO.

Lab Name:	STL Ne	wburgh		C	ontract:	
Lab Code:	10142	Case	No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample II	D: <u>237118-006</u>
Sample wt/vo	ol:	30.44	(g/ml) G		Lab File ID:	E72147.D
Level: (low/m	ned)	LOW			Date Receive	d: 6/9/2004
% Moisture:	54.1	decar	nted: (Y/N)	N	Date Extracte	d: 6/18/2004
Concentrated	Extract	Volume: 10	00 (uL)		Date Analyzed	d: 6/22/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Facto	r: 1.0
GPC Cleanup	,		H: <u>8.08</u>			

#### **CONCENTRATION UNITS:**

Number TICs found:	9	(ug/L or ug/Kg)	UG/KG
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		T		1
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.25	22000	JN
2. 000124-18-5	Decane	7.59	530	JN
3. 000629-59-4	Tetradecane	12.76	170	JN
4, 000629-78-7	Heptadecane	15.80	280	JN
5. 000593-45-3	Octadecane	16.70	230	JN
6.	Unknown	18.55	280	J
7.	Unknown	18.95	200	J
8.	Unknown	19.39	270	J
<u> </u>	Unknown	20.34	1400	J

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE	NO.
TP-16	

Lab Name:	STL Nev	vburgh		Cor	ntract:	_
Lab Code:	10142	0	ase No.:	8	SAS No.: S	SDG No.: 237118
Matrix: (soil/w	vater)	SOIL			Lab Sample ID:	237118-007
Sample wt/vo	ol:	30.79	(g/ml) G		Lab File ID:	E72150.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	21.2	de	ecanted:(Y/N) _	N_	Date Extracted:	6/18/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.	0_ (uL)			Dilution Factor:	1.0
GPC Cleanup	): (Y/N)	N	pH: <u>7.7</u>	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO. COMPOUND		RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	410
108-95-2	Phenol	430		410
95-57-8	2-Chlorophenol		U	410
541-73-1	1,3-Dichlorobenzene		U	410
106-46-7	1,4-Dichlorobenzene		U	410
95-50-1	1,2-Dichlorobenzene		U	410
100-51-6	Benzyl alcohol		U	410
108-60-1	2,2'-oxybis(1-Chloropropane)		U	410
95-48-7	2-Methylphenol	190	J	410
67-72-1	Hexachloroethane		υ	410
621-64-7	N-Nitroso-di-n-propylamine		U	410
106-44-5	4-Methylphenol	200	J	410
98-95-3	Nitrobenzene		U	410
78-59-1	Isophorone		U	410
88-75-5	2-Nitrophenol		U	410
105-67-9	2,4-Dimethylphenol	120	J	410
111-91-1	bis(2-Chloroethoxy)methane		U	410
120-83-2	2,4-Dichlorophenol		Ü	41 <u>0</u>
120-82-1	1,2,4-Trichlorobenzene		U	410
91-20-3	Naphthalene	350	J	410
106-47-8	4-Chloroaniline		U	410
87-68-3	Hexachlorobutadiene		U	410
59-50-7	4-Chloro-3-methylphenol		U	410
91-57-6	2-Methylnaphthalene	230	J	410
77-47-4	Hexachlorocyclopentadiene		U	410
88-06-2	2,4,6-Trichlorophenol		U	410
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthalene		U	410
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene		U	410
131-11-3	Dimethylphthalate		U	410
606-20-2	2,6-Dinitrotoluene		Ų	410
83-32-9	Acenaphthene		U	410
99-09-2	3-Nitroaniline		U	1000
51-28-5	2,4-Dinitrophenol		U	1000
132-64-9	Dibenzofuran	82	J	410
121-14-2	2,4-Dinitrotoluene		U	410

SEVERN STL NYSDOH 10142

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M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO.
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Lab Name:	STL Ne	wburgh		Contract:	1P-16
Lab Code:	10142 Case No.:		o.:	SAS No.:	SDG No.: 237118
Matrix: (soil/v	water)	SOIL		Lab Sample	ID: <u>237118-007</u>
Sample wt/vo	ol:	30.79 (g/	ml) <u>G</u>	Lab File ID:	E72150.D
Level: (low/n	ned)	LOW		Date Receive	ed: 6/9/2004
% Moisture:	21.2	decante	ed:(Y/N)	N Date Extract	ed: 6/18/2004
Concentrated	Extract	Volume: 1000	(uL)	Date Analyze	ed: 6/22/2004
Injection Volu	ıme; 2	0 (uL)		Dilution Fact	or: <u>1.0</u>
GPC Cleanur	o: (Y/N)	 N pH:	7.7	Units: (ug/L o	or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene		U	410
7005-72-3	4-Chlorophenyl-phenylether		U	410
84-66-2	Diethylphthalate		U	410
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		υ	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	410
101-55-3	4-Bromophenyl-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachlorophenol		U	1000
85-01-8	Phenanthrene	300	· J	410
120-12-7	Anthracene	57	J	410
84-74-2	Di-n-butylphthalate		U	410
206-44-0	Fluoranthene	150	J	410
129-00-0	Pyrene	120	j	410
85-68-7	Butylbenzylphthalate		U	410
91-94-1	3,3'-Dichlorobenzidine		U	410
56-55-3	Benzo(a)anthracene	47	J	410_
218-01-9	Chrysene	73	J	410
117-81-7	bis(2-Ethylhexyl)phthalate	110	J	410
117-84-0	Di-n-octylphthalate		U	410
205-99-2	Benzo(b)fluoranthene	71	J	410
207-08-9	Benzo(k)fluoranthene		U	410
50-32-8	Benzo(a)pyrene		U	410
193-39-5	Indeno(1,2,3-cd)pyrene		U	410
62-75-9	n-Nitrosodimethylamine		Ų	410
53-70-3	Dibenz(a,h)anthracene		U	410
191-24-2	Benzo(g,h,i)perylene		U	410

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAN	IPLE NO.
TP-16	

Lab Name:	STL Ne	wburgh		c	Contract:	
Lab Code:	10142	С	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	<del></del>		Lab Sample ID:	237118-007
Sample wt/vo	ol:	30.79	_ (g/ml) <u>G</u>		Lab File ID:	E72150.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	21.2	de	canted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	i Extract '	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Factor:	1.0
GPC Cleanus	o: (Y/N)	N	pH: 7.7			

#### **CONCENTRATION UNITS:**

Number TICs found:	15	(ug/L or ug/Kg)	UG/KG
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CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.26	14000	JN
2. 000108-38-3	Benzene, 1,3-dimethyl-	5.56	150	JN
3. 000090-12-0	Naphthalene, 1-methyl-	11.96	150 _	JN
4.	dimethyl Naphthalene isomer	13.24	160	J
5.	C15H28 isomer	13.65	140	J
6.	C12H10 isomer	13.91	120	J
7.	Unknown	14.65	. 110	J
8.	trimethyl Naphthalene isomer	14.96	150	J
9.	Unknown CnH2n+2	15.29	130	J
10. 000483-78-3	Naphthalene, 1,6-dimethyl-4-(1-m	15.73	250	JN
11, 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.84	380	JN
12.	Unknown	16.37	220	J
13.	Unknown	16.50	140	J
14.	Unknown CnH2n+2	16.78	220	J
15.	C18H18 isomer	20.40	1400	J

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	),
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TP-13

Lab Name:	STL New	vburgh		Contract:	
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL		Lab Sample ID:	237118-008
Sample wt/vo	ol:	30.01 (g/ml) G		Lab File ID:	E72153.D
Level: (low/n	ned)	LOW		Date Received:	6/9/2004
% Moisture:	49.6	decanted:(Y/N)	<u> N</u>	Date Extracted:	6/18/2004
Concentrated	Extract V	/olume: 1000 (uL)	)	Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.0	O (uL)		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	 N pH: <u>7.41</u>		Units: (ug/L or u	g/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	660
108-95-2	Phenol		U	660
95-57-8	2-Chlorophenol		U	660
541-73-1	1.3-Dichlorobenzene		U	660
106-46-7	1,4-Dichlorobenzene	120	J	660
95-50-1	1,2-Dichlorobenzene		U	660
100-51-6	Benzyl alcohol		U	660
108-60-1	2,2'-oxybis(1-Chloropropane)	-	U _	660
95-48-7	2-Methylphenol		U	660
67-72-1	Hexachloroethane		U	660
621-64-7	N-Nitroso-di-n-propylamine		U	660
106-44-5	4-Methylphenol		U	660
98-95-3	Nitrobenzene		U	660
78-59-1	Isophorone		U	660
88-75-5	2-Nitrophenol		U	660
105-67-9	2,4-Dimethylphenol		U	660
111-91-1	bis(2-Chloroethoxy)methane		U	660
120-83-2	2,4-Dichlorophenol		U	660
120-82-1	1,2,4-Trichlorobenzene		U	660
91-20-3	Naphthalene	89	J	660
106-47-8	4-Chloroaniline		U	660
87-68-3	Hexachlorobutadiene		U	660
59-50-7	4-Chloro-3-methylphenol		U	660
91-57-6	2-Methylnaphthalene		U	660
77-47-4	Hexachlorocyclopentadiene		U	660
88-06-2	2,4,6-Trichlorophenol		U	660
95-95-4	2,4,5-Trichlorophenol		U ·	1700
91-58-7	2-Chloronaphthalene		U	660
88-74-4	2-Nitroaniline		U	1700
208-96-8	Acenaphthylene		U	660
131-11-3	Dimethylphthalate		U	660
606-20-2	2,6-Dinitrotoluene		U	660
83-32-9	Acenaphthene		U	660
99-09-2	3-Nitroaniline		U	1700
51-28-5	2,4-Dinitrophenol		U	1700
132-64-9	Dibenzofuran		U	660
121-14-2	2,4-Dinitrotoluene		U	660

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M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAN	<b>JPL</b>	Æ	NO.
h-1 / 1	O, 11	*** -		,,,,,

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Lab Name:	STL Newb	ourgh	Conti	ract:	
Lab Code:	10142	Case No.:	SA		DG No.: 237118
Matrix: (soil/v	vater) <u>S</u>	OIL		Lab Sample ID:	237118-008
Sample wt/vo	ol: 3	0.01 (g/ml) G	<u></u>	Lab File ID:	E72153.D
Level: (low/n	ned) L	OW		Date Received:	6/9/2004
% Moisture:	49.6	decanted:(Y/N)	N_	Date Extracted:	6/18/2004
Concentrated	Extract Vo	olume: 1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.0	(uL)		Dilution Factor:	1.0
GPC Cleanup		N pH: 7.41	-	Units: (ug/L or u	g/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1700
86-73-7	Fluorene		U	660
7005-72-3	4-Chlorophenyl-phenylether		U	660
84-66-2	Diethylphthalate		U	660
100-01-6	4-Nitroaniline		U	1700
534-52-1	4,6-Dinitro-2-methylphenol		U	1700
86-30-6	n-Nitrosodiphenylamine (1)		υ	660
101-55-3	4-Bromophenyl-phenylether		U	660
118-74-1	Hexachlorobenzene		U	660
87-86-5	Pentachlorophenol		U	1700
85-01-8	Phenanthrene	370	J	660
120-12-7	Anthracene	83	J	660
84-74-2	Di-n-butylphthalate	71	J	660
206-44-0	Fluoranthene	740		660
129-00-0	Pyrene	760		660
	Butylbenzylphthalate		U	660
85-68-7	3,3'-Dichlorobenzidine		U	660
91-94-1	Benzo(a)anthracene	360	J	660
56-55-3	Chrysene	420	J	660
218-01-9	bis(2-Ethylhexyl)phthalate	530	J	660
117-81-7	Di-n-octylphthalate		U	660
117-84-0	Benzo(b)fluoranthene	550	J	660
205-99-2	Benzo(k)fluoranthene	200	J	660
207-08-9		340	J	660
50-32-8	Benzo(a)pyrene	140	j	660
193-39-5	Indeno(1,2,3-cd)pyrene	1-10	Ü	660
62-75-9	n-Nitrosodimethylamine		U	660
_53-70-3	Dibenz(a,h)anthracene	140	J	660
191-24-2	Benzo(g,h,i)perylene	140		

SEVERN STL NYSDOH 10142

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMP	LE	NO.
TD 42		

1200

Lab Name:	STL Ne	wburgh		¢	Contract:	
Lab Code:	10142	c	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	water)	SOIL			Lab Sample ID	237118-008
Sample wt/vo	ol:	30.01	(g/ml) G		Lab File ID:	E72153.D
Levei: (low/n	ned)	LOW			Date Received	6/9/2004
% Moisture:	49.6	de	canted: (Y/N)	N	Date Extracted	6/18/2004
Concentrated	Extract '	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Factor:	1.0
GPC Cleanu	 p: (Y/N)	N	pH: <u>7.41</u>			

#### **CONCENTRATION UNITS:**

Number TICs found:	5 (ug/L or	ug/Kg)	UG/KG	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.31	27000	JN
2	Unknown	21.59	690	J
3.	C21H44 isomer	22.01	600	J
4.	Unknown	25.65	1900	J
**				

Unknown

3/9n

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburgh		c	Contract:	
Lab Code:	10142	Ca	se No.:		SAS No.: S	DG No.: <u>237118</u>
Matrix: (soil/	water)	SOIL	_		Lab Sample ID:	237118-009
Sample wt/ve	ol:	30.23	(g/ml) G		Lab File ID:	E72161.D
Level: (low/r	med)	LOW	_		Date Received:	6/9/2004
% Moisture:	35.1	ded	canted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	d Extract	 Volume: 1	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ume: 2	.0 (uL)			Dilution Factor:	1.0
GPC Cleanu		N	pH: 7.55		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	AS NO. COMPOUND		Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	510
108-95-2	Phenol		U	510
95-57-8	2-Chlorophenol		U	510
541-73-1	1,3-Dichlorobenzene		U	510
106-46-7	1,4-Dichlorobenzene	400	J	510
95-50-1	1,2-Dichlorobenzene		U	510
100-51-6	Benzyl alcohol		U	<u>5</u> 10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	510
95-48-7	2-Methylphenol		U	510
67-72-1	Hexachloroethane		U	510
621-64-7	N-Nitroso-di-n-propylamine		U	510
106-44-5	4-Methylphenol		U	510
98-95-3	Nitrobenzene		U	510
78-59-1	Isophorone		U	510
88-75-5	2-Nitrophenol		U	510
105-67-9	2,4-Dimethylphenol		U	510
111-91-1	bis(2-Chloroethoxy)methane		U	510
120-83-2	2,4-Dichlorophenol		U	510
120-82-1	1,2,4-Trichlorobenzene		U	510
91-20-3	Naphthalene	140	J	510
106-47-8	4-Chloroaniline		U	510
87-68-3	Hexachlorobutadiene		U	510
59-50-7	4-Chloro-3-methylphenol		U	510
91-57-6	2-Methylnaphthalene	94	J	510
77-47-4	Hexachlorocyclopentadiene		U	510
88-06-2	2,4,6-Trichlorophenol		U	510
95-95-4	2,4,5-Trichlorophenol		U	1300
91-58-7	2-Chloronaphthalene		U	510
88-74-4	2-Nitroaniline		U	1300
208-96-8	Acenaphthylene		U	510
131-11-3	Dimethylphthalate		U	510
606-20-2	2,6-Dinitrotoluene		U	510
83-32-9	Acenaphthene		U	510
99-09-2	3-Nitroaniline		U	1300
51-28-5	2,4-Dinitrophenol		U	1300
132-64-9	Dibenzofuran		U	510
121-14-2	2,4-Dinitrotoluene		U	510

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EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-14
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Lab Name:	STL Nev	wburgh		c	ontract:	
Lab Code:	10142	0	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL			Lab Sample ID:	237118-009
Sample wt/vo	ol:	30.23	(g/mi) G	<u>.</u>	Lab File ID:	E72161.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	35.1	d	ecanted:(Y/N) _	N	Date Extracted:	6/18/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 7.55	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1300
86-73-7	Fluorene	110	J	510
7005-72-3	4-Chlorophenyl-phenylether		U	510
84-66-2	Diethylphthalate		U	510
100-01-6	4-Nitroaniline		U	1300
534-52-1	4,6-Dinitro-2-methylphenol		U	1300
86-30-6	n-Nitrosodiphenylamine (1)		U	510
101-55-3	4-Bromophenyl-phenylether		U L	510
118-74-1	Hexachlorobenzene		U	510
87-86-5	Pentachlorophenol		U	1300
85-01-8	Phenanthrene	320	' J	510
120-12-7	Anthracene		U	510
84-74-2	Di-n-butylphthalate	150	J	510
206-44-0	Fluoranthene	230	J	51 <u>0</u>
129-00-0	Pyrene	470	J <b>3</b>	510
85-68-7	Butylbenzylphthalate		03	510
91-94-1	3,3'-Dichlorobenzidine		UT	510
56-55-3	Benzo(a)anthracene	88	1.2	510
218-01-9	Chrysene	180	J 🗓 📗	510
117-81-7	bis(2-Ethylhexyl)phthalate	3600_	7	510
117-84-0	Di-n-octylphthalate		U 3	510
205-99-2	Benzo(b)fluoranthene	130	J 2	510
207-08-9	Benzo(k)fluoranthene	54	7.2	510
50-32-8	Benzo(a)pyrene	82	J 3	510
193-39-5	Indeno(1,2,3-cd)pyrene		U T	510
62-75-9	n-Nitrosodimethylamine		บว	51 <u>0</u>
53-70-3	Dibenz(a,h)anthracene		0.2	510
191-24-2	Benzo(g,h,i)perylene	61	1 2	510

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
-n 44	

Lab Name:	STL Ne	wburgh		C	ontract:	
Lab Code:	10142	c	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	water)	SOIL			Lab Sample ID:	237118-009
Sample wt/vo	ol:	30.23	(g/ml) G		Lab File ID:	E72161.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	35.1	de	canted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.0	) (uL)	•		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: 7.55			

#### CONCENTRATION UNITS:

Number TICs found:	16	(ug/L or ug/Kg)	UG/KG
MODITOR TOOLS	. •	( 0 0 0)	

		T		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1	Unknown CnH2n+O2	5.33	30000	J
2.	Benzenamine, 2,4,6-trichloro- iso	13.04	590	J
3.	Unknown	13.19	230	J
4.	Unknown CnH2n+2	15.29	230	J
5.	Unknown CnH2n+2	15.83	470	J
6. 000544-63-8	Tetradecanoic acid	16.43	510	JN
7.	Unknown CnH2n+2	16.77	260	J
8.	Unknown	18.40	700	J
9.	Unknown	18.81	2000	J
10.	Unknown	18.99	470	J
11.	Unknown CnH2n+2	19.20	360	J
12.	Unknown	19.47	4100	J
13.	Unknown CnH2n+2	19.96	1200	J
14.	C18H18 isomer	20.40	7900	J
15.	Unknown CnH2n+2	20.67	990	J
16.	Unknown	23.21	1000	J

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE	NO.
TP-14RE	

Lab Name:	STL Ne	wburgh		C	Contract:	
Lab Code:	10142		ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample	ID: 237118-009RE
Sample wt/vo	ol:	30.23	(g/ml) G		Lab File ID:	E72178.D
Level: (low/n	ned)	LOW			Date Receive	ed: 6/9/2004
% Moisture:	35.1	de	canted:(Y/N)	N	Date Extracte	ed: 6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyze	ed: 6/23/2004
Injection Volu	ıme: 2.	.0 (uL)			Dilution Facto	or: 1.0
GPC Cleanu	o: (Y/N)	N	pH: 7.55		Units: (ug/L o	or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	510
108-95-2	Phenol		U	510
95-57 <b>-</b> 8	2-Chlorophenol		U	510
541-73-1	1,3-Dichlorobenzene		U	510
106-46-7	1,4-Dichlorobenzene	400	J	510
95-50-1	1,2-Dichlorobenzene		U	510
100-51-6	Benzyl alcohol		U	510
108-60-1	2,2'-oxybis(1-Chloropropane)		U	<u>510</u>
95-48-7	2-Methylphenol		<u> </u>	· 510
67-72-1	Hexachloroethane		U	510
621-64-7	N-Nitroso-di-n-propylamine		U	510
106-44-5	4-Methylphenol		Ų	510
98-95-3	Nitrobenzene		υ	510
78-59-1	Isophorone		U	510
88-75-5	2-Nitrophenol		U	510
105-67-9	2,4-Dimethylphenol		U	510
111-91-1	bis(2-Chloroethoxy)methane		U	510
120-83-2	2,4-Dichlorophenol		U	510
120-82-1	1,2,4-Trichlorobenzene		U	510
91-20-3	Naphthalene	140	J	510
106-47-8	4-Chloroaniline		U	510
87-68-3	Hexachlorobutadiene		U	510_
59-50-7	4-Chloro-3-methylphenol		U	510
91-57-6	2-Methylnaphthalene	92	J	510
77-47-4	Hexachlorocyclopentadiene		UR	510
88-06-2	2,4,6-Trichlorophenol		U	510
95-95-4	2,4,5-Trichlorophenol		U	1300
91-58-7	2-Chloronaphthalene		U	510
88-74-4	2-Nitroaniline		U	1300
208-96-8	Acenaphthylene		U	510
131-11-3	Dimethylphthalate		U	510
606-20-2	2,6-Dinitrotoluene		U	510
83-32-9	Acenaphthene		U	510
99-09-2	3-Nitroaniline		U	1300
51-28-5	2,4-Dinitrophenol		U	1300
132-64-9	Dibenzofuran		U	510
121-14-2	2,4-Dinitrotoluene		U	510

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NJDEP 73016 CTDOH'S PH-0554

EPA NY049

PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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				_		117-14RE
Lab Name:	STL Ne	wburgh		C	ontract:	
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL	<del></del>		Lab Sample II	D: 237118-009RE
Sample wt/vo	ol:	30.23	(g/ml) G	<u>.</u>	Lab File ID:	E72178.D
Level: (low/n	ned)	LOW	_		Date Received	l: 6/9/2004
% Moisture:	35.1	de	ecanted:(Y/N)	N	Date Extracted	d: <u>6/18/2004</u>
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed	: 6/23/2004
Injection Volu	me: 2	.0 (uL)			Dilution Factor	: 1.0
GPC Cleanur	- o: (Y/N)	N_	pH: 7.55	_	Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1300
86-73-7	Fluorene	100	J	510
7005-72-3	4-Chlorophenyl-phenylether		U	510
84-66-2	Diethylphthalate		U	510
100-01-6	4-Nitroaniline		U	1300
534-52-1	4,6-Dinitro-2-methylphenol		U	1300
86-30-6	n-Nitrosodiphenylamine (1)		U	<u>510</u>
101-55-3	4-Bromophenyl-phenylether		U_	510
118-74-1	Hexachlorobenzene		U	510
87-86-5	Pentachlorophenol		U	1300
85-01-8	Phenanthrene	310	<u> </u>	510
120-12-7	Anthracene		U	510
84-74-2	Di-n-butylphthalate	140	J	510
206-44-0	Fluoranthene	230	J	510
129-00-0	Pyrene	460	JJ	510
85-68-7	Butylbenzylphthalate		បរា	510
91-94-1	3,3'-Dichlorobenzidine		U 3	510
56-55-3	Benzo(a)anthracene	91	12	510
218-01-9	Chrysene	180	J 3	510
117-81-7	bis(2-Ethylhexyl)phthalate	3600	J	510
117-84-0	Di-n-octylphthalate		0.7	510
205-99-2	Benzo(b)fluoranthene	130	JJ	510
207-08-9	Benzo(k)fluoranthene	59	J 2	510
50-32-8	Benzo(a)pyrene	84	12	510
193-39-5	Indeno(1,2,3-cd)pyrene		0.7	510
62-75-9	n-Nitrosodimethylamine		U 3	510
53-70-3	Dibenz(a,h)anthracene		N 3	510
191-24-2	Benzo(g,h,i)perylene	58	J 3	510

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

1	EPA SAMPLE	NO.
ſ	-	
1	TP-14RE	

Lab Name:	STL Nev	wburgh			Contract:	
Lab Code:	10142	С	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL	<del></del>		Lab Sample II	): 237118-009RE
Sample wt/vo	ol:	30.23	_ (g/mi) <u>G</u>	i	Lab File ID:	E72178.D
Level: (low/n	ned)	LOW			Date Received	d: 6/9/2004
% Moisture:	35.1	de	canted: (Y/N	l) <u>N</u>	Date Extracted	i: 6/18/2004
Concentrated	i Extract \	Volume:	1000 (ui	_)	Date Analyzed	: 6/23/2004
Injection Volu	me: <u>2.0</u>	(uL)			Dilution Factor	: <u>1.0</u>
GPC Cleanup	o: (Y/N)	N	pH: 7.55			

#### **CONCENTRATION UNITS:**

Number TICs found:	14	(ug/L or ug/Kg)	UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.30	33000	JN
2. 000634-93-5	Benzenamine, 2,4,6-trichloro-	13.02	540	JN
3.	Unknown	15.27	230	J
4, 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.81	510	JN
5. 000544-63-8	Tetradecanoic acid	16.42	510	JN
6. 000638-36-8	Hexadecane, 2,6,10,14-tetrameth	16.75	280	JN
7.	Unknown	18.38	. 660	J
8.	Unknown	18.79	2000	J
9.	Unknown	18.96	510	J
10.	Unknown	19.18	320	j
11.	Unknown	19.44	3900	J
12.	Unknown CnH2n+2	19.93	1100	J
13.	Unknown	20.38	8100	J
14. 000085-60-9	Phenol, 4,4'-butylidenebis[2-(1,1-	23.19	1100	JN

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE	NO

	SEI	MVULATIL	E ORGANIOS	VIAVE I O	O D/ (I/ COTILL	TP-15
Lab Name:	STL Nev	vburgh		Contr	ract:	
Lab Code:	10142	Ca	se No.:	SA	\S No.:	SDG No.: 237118
Matrix: (soil/w	/ater)	SOIL	_		Lab Sample	ID: <u>237118-010</u>
Sample wt/vo	l:	30.42	(g/ml) G		Lab File ID:	E72146.D
Level: (low/m	ned)	LOW	_		Date Receive	ed: 6/9/2004
% Moisture:	48.7	de	canted:(Y/N)	<u>N</u>	Date Extracte	ted: 6/18/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyze	ed: 6/22/2004
Injection Volu	me: 2.	0 (uL)			Dilution Facto	or: 1.0
GPC Cleanup	o: (Y/N)	N	pH: 7.4	_	Units: (ug/L o	or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		UR	640
108-95-2	Phenol		UR	640
95-57-8	2-Chlorophenol		UR	640
541-73-1	1.3-Dichlorobenzene		UR	640
106-46-7	1,4-Dichlorobenzene		UR	640
95-50-1	1,2-Dichlorobenzene		UR	640
100-51-6	Benzyl alcohol		UR	640
108-60-1	2,2'-oxybis(1-Chloropropane)		υR	640
95-48-7	2-Methylphenol		UR	640
67-72-1	Hexachloroethane	·	υŔ	640
621-64-7	N-Nitroso-di-n-propylamine		UR	640
106-44-5	4-Methylphenol		UR	640
98-95-3	Nitrobenzene	-	u R	640
78-59-1	Isophorone		UR	640
88-75-5	2-Nitrophenol		UR	640
105-67-9	2,4-Dimethylphenol		UR	640
111-91-1	bis(2-Chloroethoxy)methane	_	υK	640
120-83-2	2,4-Dichlorophenol		υR	640
120-82-1	1,2,4-Trichlorobenzene		URUR	640
91-20-3	Naphthalene		UR	640
106-47-8	4-Chloroaniline		UR	640
87-68-3	Hexachlorobutadiene		U R	640
59-50-7	4-Chloro-3-methylphenol		UR	640
91-57-6	2-Methylnaphthalene		U R	640
77-47-4	Hexachlorocyclopentadiene			640
88-06-2	2,4,6-Trichlorophenol		UŖ	640
95-95-4	2,4,5-Trichlorophenol		UB	1600
91-58-7	2-Chloronaphthalene		υR	640
88-74-4	2-Nitroaniline		UR	1600
208-96-8	Acenaphthylene		UR	640
131-11-3	Dimethylphthalate		UR	640
606-20-2	2,6-Dinitrotoluene		UR	640
83-32-9	Acenaphthene		UR	640
99-09-2	3-Nitroaniline		UR	1600
51-28-5	2.4-Dinitrophenol		υŘ	1600
132-64-9	Dibenzofuran		υŖ	640
121-14-2	2.4-Dinitrotoluene		υR	640

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	CANADI	
EPA	SAMPL	11/~.

Lab Name:	STL New	burgh		_ Co	ntract:		17-15
Lab Code:	10142	Ca	se No.:	{	SAS No.:	sı	DG No.: 237118
Matrix: (soil/	vater)	SOIL	_		Lab Samp	le ID:	237118-010
Sample wt/vo	ol:	30.42	(g/ml) G		Lab File IC	):	E72146.D
Level: (low/n	ned)	LOW	_		Date Rece	ived:	6/9/2004
% Moisture:	48.7	dec	canted:(Y/N)	N	Date Extra	cted:	6/18/2004
Concentrated	i Extract V	olume: 1	1000 (uL)		Date Analy	zed:	6/22/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Fa	ctor:	1.0
GPC Cleanu	o: (Y/N)	N	pH: 7.4		Units: (ug/	L or ug	/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		UR	1600
86-73-7	Fluorene		υŘ	640
7005-72-3	4-Chlorophenyl-phenylether		UR	640
84-66-2	Diethylphthalate		UR.	640
100-01-6	4-Nitroaniline		<u> </u>	1600
534-52-1	4,6-Dinitro-2-methylphenol		UR	1600
86-30-6	n-Nitrosodiphenylamine (1)		UR	640
101-55-3	4-Bromophenyl-phenylether		UR	640
118-74-1	Hexachlorobenzene		UR	640
87-86-5	Pentachlorophenol		U R	1600
85-01-8	Phenanthrene		υ (?)	640
120-12-7	Anthracene		UR	640
84-74-2	Di-n-butylphthalate		UR	640
206-44-0	Fluoranthene		U R	640
129-00-0	Pyrene		UR	640
85-68-7	Butylbenzylphthalate		UR	640
91-94-1	3,3'-Dichlorobenzidine		U R	640
56-55-3	Benzo(a)anthracene		UR	640
218-01-9	Chrysene		υR	640
117-81-7	bis(2-Ethylhexyl)phthalate		U R	640
117-84-0	Di-n-octylphthalate		UR	640
205-99-2	Benzo(b)fluoranthene		U R	640
207-08-9	Benzo(k)fluoranthene		UR	640
50-32-8	Benzo(a)pyrene		UR	640
193-39-5	Indeno(1,2,3-cd)pyrene		U R	640
62-75-9	n-Nitrosodimethylamine			640
53-70-3	Dibenz(a,h)anthracene		υR	640
191-24-2	Benzo(g,h,i)perylene		UR	640



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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	SAMPLE	: NO.
TP-15		

Lab Name:	STL Nev	vburgh	(	Contract:	
Lab Code:	10142	Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	/ater)	SOIL		Lab Sample ID:	237118-010
Sample wt/vo	d:	30.42 (g/ml) G		Lab File ID:	E72146.D
Level: (low/m		LOW		Date Received:	6/9/2004
% Moisture:	48.7	decanted: (Y/N)	) N	Date Extracted:	6/18/2004
Concentrated	Extract \	 /olume: 1000 (uL	.)	Date Analyzed:	6/22/2004
Injection Volu				Dilution Factor:	1.0
GPC Cleanup		N pH: 7.4	<del></del>		

Number TICs found:	2 (ug/L or ug/Kg)		UG/KG		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q	
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.21	11000	JN	
2	C18H18 isomer	20.32	190	J	

**CONCENTRATION UNITS:** 

(ug/L or ug/Kg)

UG/KG

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	<b>EPA</b>	SAMP	_E	NO.
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Lab Name:	STL Ne	wburgh		Con	tract:	1P-15KR
Lab Code:	10142	·	nse No.:	Ś	AS No.: S	DG No.: 237118
Matrix: (soil/		SOIL			Lab Sample ID:	237118-010RR
Sample wt/ve	-	27.23	– (g/ml) G		Lab File ID:	E72215.D
Level: (low/r		LOW		<del></del>	Date Received:	6/9/2004
% Moisture:	48.7		- canted:(Y/N)	N	Date Extracted:	6/24/2004
Concentrate			1000 (uL)		Date Analyzed:	6/28/2004
Injection Volu		.0 (uL)	<u>,</u> , ,		Dilution Factor:	1.0
GPC Cleanu		`	pH: 7.4		Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether	•	U <b>3</b>	720
108-95-2	Phenol		ע ד	720
95-57-8	2-Chlorophenol		0.2	720
541-73-1	1,3-Dichiorobenzene		ע בי	720
106-46-7	1,4-Dichlorobenzene		0 <u>3</u>	720
95-50-1	1,2-Dichlorobenzene		0 <u>1</u>	720
100-51-6	Benzyl alcohol		U <b>J</b>	720
108-60-1	2,2'-oxybis(1-Chloropropane)		U 2	720
95-48-7	2-Methylphenol	•	บร	720
67-72-1	Hexachloroethane		0 <u>3</u>	720
621-64-7	N-Nitroso-di-n-propylamine			720
106-44-5	4-Methylphenol		0.3	720
98-95-3	Nitrobenzene		U 2	720
78-59-1	Isophorone		0.2	720
88-75-5	2-Nitrophenol		υJ	720
105-67-9	2,4-Dimethylphenol		υď	720
111-91-1	bis(2-Chloroethoxy)methane		UI	720
120-83-2	2,4-Dichlorophenol		บป	720
120-82-1	1,2,4-Trichlorobenzene		UJ	720
91-20-3	Naphthalene		บร	720
106-47-8	4-Chloroaniline		UI	720
87-68-3	Hexachlorobutadiene		ប្រ	720
59-50-7	4-Chloro-3-methylphenol		U <b>J</b>	720
91-57-6	2-Methylnaphthalene		บีวี	720
77-47-4	Hexachlorocyclopentadiene		UR US	720
88-06-2	2,4,6-Trichlorophenol			720
95-95-4	2,4,5-Trichlorophenol		0.2	1800
91-58-7	2-Chloronaphthalene		ប្រ	720
88-74-4	2-Nitroaniline		∪ 2	1800
208-96-8	Acenaphthylene		U 2	720
131-11-3	Dimethylphthalate		υJ	720
606-20-2	2,6-Dinitrotoluene		U 3	720
83-32-9	Acenaphthene		η 2	720
99-09-2	3-Nitroaniline		U 3	1800_
51-28-5	2.4-Dinitrophenol		U 3	1800
132-64-9	Dibenzofuran		UZ	720
121-14-2	2.4-Dinitrotoluene		U 2	720

SEVERN STL

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EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburgh		Contra	ict:	TP-15RR
Lab Code:	10142	C	ase No.:	SAS	8 No.:	SDG No.: 237118
Matrix: (soil/v	water)	SOIL			Lab Sample ID:	237118-010RR
Sample wt/vo	oi:	27.23	(g/ml) G	<del></del>	Lab File ID:	E72215.D
Level: (low/r	ned)	LOW	<del></del>		Date Received:	6/9/2004
% Moisture:	48.7	de	ecanted:(Y/N)	N	Date Extracted:	6/24/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	6/28/2004
Injection Volu	ıme: 2	.0 (uL)			Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: 7.4		Units: (ug/L or u	g/Kg) UG/KG
CAS NO.	(	COMPOUN	ND		RESU	LT Q

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		υJ	1800
86-73-7	Fluorene		U 3	720
7005-72-3	4-Chlorophenyl-phenylether		U 3	720
84-66-2	Diethylphthalate		U 3	720
100-01-6	4-Nitroaniline		U 2	1800
534-52-1	4,6-Dinitro-2-methylphenol		n 2	1800
86-30-6	n-Nitrosodiphenylamine (1)		U 2	720
101-55-3	4-Bromophenyl-phenylether		U 3	720
118-74-1	Hexachlorobenzene		υ 3	720
87-86-5	Pentachlorophenol		U 3	1800
85-01-8	Phenanthrene	170	) 2	720
120-12-7	Anthracene		U <b>J</b>	720
84-74-2	Di-n-butylphthalate	98	12	720
206-44-0	Fluoranthene	320	J J	720
129-00-0	Pyrene	620	13	720
85-68-7	Butylbenzylphthalate		U 2	720
91-94-1	3,3'-Dichlorobenzidine		ប្រ	720
56-55-3	Benzo(a)anthracene	190	J 2	720
218-01-9	Chrysene	270	13	720
117-81-7	bis(2-Ethylhexyl)phthalate	4600	<b>3</b>	720
117-84-0	Di-n-octylphthalate		U T	720
205-99-2	Benzo(b)fluoranthene	360_	J J	720
207-08-9	Benzo(k)fluoranthene	130	7 7	720
50-32-8	Benzo(a)pyrene	200	JJ	720
193-39-5	Indeno(1,2,3-cd)pyrene	130	្រី	720
62-75-9	n-Nitrosodimethylamine		U 2	720
53-70-3	Dibenz(a,h)anthracene		1 <u>2</u>	720
191-24-2	Benzo(g,h,i)perylene	150	JJ	720



3/90

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SA	AMPLE	NO.
TO 4501		

Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142	Ca	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	water)	SOIL			Lab Sample II	D: 237118-010RR
Sample wt/vo	ol:	27.23	(g/ml) <u>G</u>		Lab File ID:	E72215.D
Level: (low/n	ned)	LOW			Date Receive	d: 6/9/2004
% Moisture:	48.7	dec	anted: (Y/N)	N	Date Extracte	d: 6/24/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed	d: 6/28/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Facto	r: <u>1.0</u>
GPC Cleanu	o: (Y/N)	N	pH: 7.4			

#### CONCENTRATION UNITS:

Number TICs found:	15	(ug/L or ug/Kg)	UG/KG
Matthe Lies Louis.	10	(48.20.48/	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 010574-37-5	2-Pentene, 2,3-dimethyl-	4.31	1800	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.27	66000	JN
3.	Unknown CnH2n+O2	18.11	1800	J
4.	Unknown	18.31	650	J
5.	Unknown	18.70	490	J
6.	C18H22 isomer	19.35	980	J
7.	Unknown CnH2n+2	19.88	. 510	J
8.	C18H18 isomer	20.31	1800	J
9.	Unknown CnH2n+2	20.59	710	J
10.	Unknown CnH2n+2	21.29	640	J
11.	Unknown CnH2n+2	21.95	780	J
12.	Unknown CnH2n+2	22,59	790	J
13.	Unknown CnH2n+2	23.19	740	J
14.	Unknown CnH2n+2	23.78	1600	J
15.	Unknown CnH2n+2	24.36	1400	J

NJDEP 73015

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-2		

Lab Name:	STL Nev	vburgh		Co	ntract:	
Lab Code:	10142	(	Case No.:	;	SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-011
Sample wt/vd	ol:	30.15_	(g/ml) G		Lab File ID:	E72152.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	23.7	d	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.0	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: <u>7.75</u>		Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	430
108-95-2	Phenol		U	430
95-57-8	2-Chlorophenol		U	430
541-73-1	1,3-Dichlorobenzene		U	430
106-46-7	1,4-Dichlorobenzene		U	430
95-50-1	1,2-Dichlorobenzene		U	430
100-51-6	Benzyl alcohol		U	430
108-60-1	2,2'-oxybis(1-Chloropropane)		U	430
95-48-7	2-Methylphenol		U	430
67-72-1	Hexachloroethane		U	430
621-64-7	N-Nitroso-di-n-propylamine		U	430
106-44-5	4-Methylphenol	57	J	430
98-95-3	Nitrobenzene		U	430
78-59-1	Isophorone		U	430
88-75-5	2-Nitrophenol		U	430
105-67-9	2,4-Dimethylphenol		U	430
111-91-1	bis(2-Chloroethoxy)methane		U	430
120-83-2	2,4-Dichlorophenol		U	430
120-82-1	1,2,4-Trichlorobenzene		U	430
91-20-3	Naphthalene	520		430
106-47-8	4-Chloroaniline		U	430
87-68-3	Hexachlorobutadiene		U	430
59-50-7	4-Chloro-3-methylphenol		U	430
91-57-6	2-Methylnaphthalene	240	J	430
77-47-4	Hexachlorocyclopentadiene		υ	430
88-06-2	2,4,6-Trichlorophenol		U	430
95-95-4	2,4,5-Trichlorophenol		U	1100
91-58-7	2-Chloronaphthalene		U	430
88-74-4	2-Nitroaniline		U	1100
208-96-8	Acenaphthylene		U	430
131-11-3	Dimethylphthalate		U	430
606-20-2	2,6-Dinitrotoluene		U	430
83-32-9	Acenaphthene	100	J	430
99-09-2	3-Nitroaniline	,	U	1100
51-28-5	2,4-Dinitrophenol		Ü	1100
132-64-9	Dibenzofuran	160	J	430
121-14-2	2,4-Dinitrotoluene		Ů	430

FORM I SV-1 15 CTDOHS PH-0554 3/90 PA 68-378 M-NY049

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-2
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Lab Name:	STL Nev	vburgh		Co	ntract:	
Lab Code:	10142		Case No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/w	ater)	SOIL _			Lab Sample ID	237118-011
Sample wt/vo	l:	30.15	(g/ml) G		Lab File ID:	E72152.D
Level: (low/m		LOW			Date Received:	6/9/2004
% Moisture:	23.7	d	ecanted:(Y/N)	N	Date Extracted	6/18/2004
Concentrated	Extract \	 /olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanup		N N	pH: 7.75		Units: (ug/L or u	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1100
86-73-7	Fluorene	290	J	430
7005-72-3	4-Chlorophenyl-phenylether		د	430
84-66-2	Diethylphthalate		U	430
100-01-6	4-Nitroaniline		C	1100
534-52-1	4,6-Dinitro-2-methylphenol		U	1100
86-30-6	n-Nitrosodiphenylamine (1)		U	430
101-55-3	4-Bromophenyl-phenylether		U	430
118-74-1	Hexachlorobenzene		U	430
87-86-5	Pentachlorophenol		U	1100
85-01-8	Phenanthrene	930	•	430
120-12-7	Anthracene	180	J	430
84-74-2	Di-n-butylphthalate		U	430
206-44-0	Fluoranthene	620		430
129-00-0	Pyrene	460	·	430
85-68-7	Butylbenzylphthalate		U	430
91-94-1	3,3'-Dichlorobenzidine		U	430
56-55-3	Benzo(a)anthracene	170	J	430
218-01-9	Chrysene	230	j	430
117-81-7	bis(2-Ethylhexyl)phthalate	580		430
117-84-0	Di-n-octylphthalate		<u> </u>	430
205-99-2	Benzo(b)fluoranthene	230	J _	430
207-08-9	Benzo(k)fluoranthene	72	J J	430
50-32-8	Benzo(a)pyrene	150	J	430
193 <b>-</b> 39-5	Indeno(1,2,3-cd)pyrene	54	J	430
62 <b>-</b> 75-9	n-Nitrosodimethylamine		U	430
53-70-3	Dibenz(a,h)anthracene		U	430
191-24-2	Benzo(g,h,i)perylene	50	J	430

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	1.4	U
	_	

TP-2

Lab Name:	STL Nev	wburgh		_ Contra	ct:	
Lab Code:	10142	Ca	se No.:	_ SAS	No.:	SDG No.: 237118
Matrix: (soil/w	vater)	SOIL			Lab Sample ID	): <u>237118-011</u>
Sample wt/vo	·	30.15	(g/ml) G		Lab File ID:	E72152.D
Level: (low/m		LOW		_	Date Received	l: 6/9/2004
% Moisture:	23.7		anted: (Y/N)	N	Date Extracted	i: 6/18/2004
Concentrated			1000 (uL)	<del></del>	Date Analyzed	: 6/22/2004
Injection Volu		_			Dilution Factor	: 1.0
GPC Cleanup		<del></del>	pH: <u>7.75</u>			
					NTRATION U	
Number TICs	found:	5		(ug/L or	rug/Kg) <u>U</u>	3/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.33	24000	JN
2. 000108-38-3	Benzene, 1,3-dimethyl-	5.59	1600	JN
3. 86-74-8	Carbazole	17.38	53	JN
3. 00-74-0	Unknown	18.08	220	J
<del>4.</del>	C18H18 isomer	20.34	240	J

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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	- 4	•	Δn	$^{n}$	: -	NO
		~				110

Lab Name:	STL Ne	wburgh	Contract:	TP-1
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/	water)	SOIL	Lab Sample ID	: <u>237118-012</u>
Sample wt/vo	ol:	30.04 (g/ml) G	Lab File ID:	E72162.D
Level: (low/r	ned)	LOW	Date Received	6/9/2004
% Moisture:	25.2	decanted:(Y/N)	N Date Extracted	: 6/18/2004
Concentrated	d Extract	Volume: 1000 (uL)	Date Analyzed:	6/22/2004
Injection Volu	ıme: 2	.0 (uL)	Dilution Factor:	1.0
GPC Cleanu	 p: (Y/N)	—— N рН: 7.6	Units: (ug/L or	ug/Kg) UG/KG

COMPOUND	RESULT	Q	RL	
bis(2-Chloroethyl)ether		U	450	
		U .	450	
		U	450 .	
		U	450	
		U	450	
		U	450	
	180	J	450	
		U	450	
		U	450	
		U	450	
	150	J	450	
		บร	450	
		U 3	450	
		U T	1100	
		U 3	450	
		U.Z.	1100	
		UJ	450	
· · · · · · · · · · · · · · · · · · ·		U 2	450	
· · · · · · · · · · · · · · · · · · ·		υ3	450	
	410	J 🛣	450	
		U.Z.	1100	
		U .2	1100	
		N.2.	450	
		υ3	450	
	bis(2-Chloroethyl)ether Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol 2,2'-oxybis(1-Chloropropane) 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 4-Methylphenol Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol bis(2-Chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloro-3-methylphenol 2-Methylnaphthalene Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline Acenaphthylene Dimethylphthalate 2,6-Dinitrotoluene Acenaphthene 3-Nitroaniline 2,4-Dinitrophenol Dibenzofuran 2,4-Dinitrotoluene	Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzyl alcohol 2,2'-oxybis(1-Chloropropane) 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 4-Methylphenol Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol bis(2-Chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorocyclopentadiene 4-Chloro-3-methylphenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2,4,5-Trichlorophenol 2-Nitroaniline Hexachlorophenol 2,1,5-Trichlorophenol 2-Nitroaniline Acenaphthylene Dimethylphthalate 2,6-Dinitrotoluene Acenaphthene 3-Nitroaniline Acenaphthene 3-Nitroaniline Acenaphthene Acenaphthene 3-Nitroaniline Acenaphthene Acenaphthene Acenaphthene Acenaphthene 3-Nitroaniline Acenaphthene Acenaphthene Acenaphthene Acenaphthene Acenaphthene Acenaphthene Acenaphthene Acenaphthene Dibenzofuran	Phenol   U	

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO.
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Lab Name:	STL Nev	vburgh		Con	tract:	
Lab Code:	10142	Case	No.:	s	AS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-012
Sample wt/vo	ol:	30.04	(g/ml) <u>G</u>		Lab File ID:	E72162.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	25.2	deca	nted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	 /olume: 10	00(uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.	0 (uL)	<del></del> -		Dilution Factor;	1.0
GPC Cleanup	<del></del>	N p	H: <u>7.6</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U <b>3</b>	1100
86-73-7	Fluorene	1300	7	450
7005-72-3	4-Chiorophenyl-phenylether		UJ	450
84-66-2	Diethylphthalate		n 2	450
100-01-6	4-Nitroaniline		02	1100
534-52-1	4,6-Dinitro-2-methylphenol		U 2	1100
86-30-6	n-Nitrosodiphenylamine (1)		U .T	450
101-55-3	4-Bromophenyl-phenylether		U 2	450
118-74-1	Hexachlorobenzene		U 7	450
87-86-5	Pentachlorophenol		০ ব	1100
85-01-8	Phenanthrene	4400	E 2	450
120-12-7	Anthracene	1200	3	450
84-74-2	Di-n-butylphthalate		υJ	450
206-44-0	Fluoranthene	1800	7	450
129-00-0	Pyrene	3900	ΕJ	450
85-68-7	Butylbenzylphthalate		U <b>J</b>	450
91-94-1	3,3'-Dichlorobenzidine		U <b>3</b>	450
56-55-3	Benzo(a)anthracene	700	3	450
218-01-9	Chrysene	1000	3	450
117-81-7	bis(2-Ethylhexyl)phthalate		ប្រ	450
117-84-0	Di-n-octylphthalate		υ 2	450
205-99-2	Benzo(b)fluoranthene	750	<u>J</u>	450
207-08-9	Benzo(k)fluoranthene	310	J <b>3</b>	450
50-32-8	Benzo(a)pyrene	460	2	450
193-39-5	Indeno(1,2,3-cd)pyrene	190	JJ	450
62-75-9	n-Nitrosodimethylamine		U 2	450
53-70-3	Dibenz(a,h)anthracene		U 🕽	450
191-24-2	Benzo(g,h,i)perylene	360	12	450

STL NYSDOH 10142

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TP-1

Lab Name:	STL Nev	wburgh		c	Contract:	
Lab Code:	10142	C	ase No.:		SAS No.: S	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL	_		Lab Sample ID:	237118-012
Sample wt/vo	ol:	30.04	(g/ml) <u>G</u>		Lab File ID:	E72162.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	25.2	de	canted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract '	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.0	)(uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	 N	pH: 7.6	_		

#### **CONCENTRATION UNITS:**

Number TICs found:	17	(ug/L or ug/Kg)	UG/KG

		·		· · · · · ·
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.20	30000	JN
2. 000112-40-3	Dodecane	9.28	220	JN
3.	C10H14 isomer	9.42	360	J
4.	Unknown CnH2n	9.61	800	J
5.	Unknown CnH2n+2	9.80	360	J
6.	C10H14 isomer	9.86	510	J
7.	Unknown CnH2n+2	9.93	. 420	J
8.	Unknown CnH2n+2	10.03	710	J_
9. 017301-23-4	Undecane, 2,6-dimethyl-	10.58	2200	JN
10.	C11H16 isomer	10.76	1100	J_
11.	Unknown CnH2n	10.99_	780	j.
12.	Unknown CnH2n+2	11.32	4400	J
13.	Unknown	24.74	890	J
14. 55401-75-7	Anthracene, 9-dodecyltetradecah	24.99	890	JN
15.	Unknown	25.68	2000	J
16.	Unknown	26.14	2400	J
17.	Unknown	26.71	530	J

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPI	-E	NO.
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Lab Name:	STL Nev	wburgh		c	ontract:	III-IDE
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	237118-012DL
Sample wt/vo	ol:	30.04	_ (g/ml) <u>G</u>		Lab File ID:	E72165.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	25.2	de	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
injection Volu	me: 2.	0 (uL)			Dilution Factor:	2.0
GPC Cleanup	o: (Y/N)	N	pH: 7.6		Units: (ug/L or u	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	890
108-95-2	Phenoi		U	890
95-57-8	2-Chlorophenol		U	890
541-73-1	1,3-Dichlorobenzene		U	890
106-46-7	1.4-Dichlorobenzene		U	890
95-50-1	1,2-Dichlorobenzene		U	890
100-51-6	Benzyl alcohol		U	890
108-60-1	2,2'-oxybis(1-Chloropropane)		U	890
95-48-7	2-Methylphenol		U	890
67-72-1	Hexachloroethane		U	890
621-64-7	N-Nitroso-di-n-propylamine		U	890
106-44-5	4-Methylphenol		U	890
98-95-3	Nitrobenzene		U	890
78-59-1	Isophorone		U	890
88-75-5	2-Nitrophenol		U	890
105-67-9	2,4-Dimethylphenol		U	890
111-91-1	bis(2-Chloroethoxy)methane		U	· 890
120-83-2	2,4-Dichlorophenol		U	890
120-82-1	1,2,4-Trichlorobenzene		U	890
91-20-3	Naphthalene	180	J <u>D</u>	890
106-47-8	4-Chloroaniline		U	890
87-68-3	Hexachlorobutadiene		U	890
59-50-7	4-Chloro-3-methylphenol		U	890
91-57-6	2-Methylnaphthalene	150	JD	890
77-47-4	Hexachlorocyclopentadiene		UR	890
88-06-2	2.4.6-Trichiorophenol		U	890
95-95-4	2,4,5-Trichlorophenol		UU	2200
91-58-7	2-Chioronaphthalene		U	890
88-74-4	2-Nitroaniline		U	2200
208-96-8	Acenaphthylene		U	890
131-11-3	Dimethylphthalate		U	890
606-20-2	2,6-Dinitrotoluene		U	890
83-32-9	Acenaphthene	980	D	890
99-09-2	3-Nitroaniline		U	2200
51-28-5	2,4-Dinitrophenol		U	2200
132-64-9	Dibenzofuran		U	890
121-14-2	2,4-Dinitrotoluene		U	890

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FORM I SV-1 NJDEP 73015 CTDOHS PH-0554

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#### EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	TP-1DL	
ı		- 1

RL

	<b>0</b>					TP-1	DL.	
Lab Name:	STL Nev	wburgh		(	Contract:	_ L		
Lab Code:	10142	(	Case No.:		SAS No.: S	DG No	.: <u>2371</u>	18
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	23711	8-012DL	<u> </u>
Sample wt/vo	oi:	30.04	(g/ml) <u>G</u>		Lab File ID:	E7216	5.D	
Level: (low/m	ned)	LOW			Date Received:	6/9/20	04	
% Moisture:	25.2		iecanted:(Y/N)	N	Date Extracted:	6/18/2	004	<del></del>
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/23/2	004	
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Factor:	2.0		_
GPC Cleanup	): (Y/N)	N	_ pH: <u>7.6</u>	_	Units: (ug/L or นุ	g/Kg) <u>l</u>	JG/KG	<del></del>
CAS NO.	C	OMPOU	IND		RESUL	_T	Q	
		4 840	1			<del></del>	- 11	

CAS NO.	COMPOUND	(1001)	٠.	, 12
100-02-7	4-Nitrophenol		U	2200
86-73-7	Fluorene	1500	D	890
7005-72-3	4-Chiorophenyl-phenylether		U	890_
84-66-2	Diethylphthalate		U	890
100-01-6	4-Nitroaniline		U	2200
534-52-1	4,6-Dinitro-2-methylphenol		U 3	2200
86-30-6	n-Nitrosodiphenylamine (1)		υJ	890
101-55-3	4-Bromophenyl-phenylether		ប្រ	890
118-74-1	Hexachlorobenzene		0.2	890
87-86-5	Pentachlorophenol		U 2	2200
85-01-8	Phenanthrene	5900	D 2	890
120-12-7	Anthracene	990	DJ	890
84-74-2	Di-n-butylphthalate		U 3	890
206-44-0	Fluoranthene	2300	DJ	890
129-00-0	Pyrene	2300	DI	890
85-68-7	Butylbenzylphthalate		បរ	890
91-94-1	3,3'-Dichlorobenzidine		បរ	890
56-55-3	Benzo(a)anthracene	840	JDJ	890
218-01-9	Chrysene	980	D 3	890
117-81-7	bis(2-Ethylhexyl)phthalate		UJ	890
117-84-0	Di-n-octylphthalate		U 2	890
205-99-2	Benzo(b)fluoranthene	760	JD 2	890
207-08-9	Benzo(k)fluoranthene	240	ND 2	890
50-32-8	Benzo(a)pyrene	410	JD 3	890
193-39-5	Indeno(1,2,3-cd)pyrene	190	1D 2	890
62-75-9	n-Nitrosodimethylamine		UJ	890
53-70-3	Dibenz(a,h)anthracene		ប្រ	890
191-24-2	Benzo(g,h,i)perylene	230	JD 🕽	890

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-8
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Lab Name:	STL Newburg	jh	Contract:	
Lab Code:	10142	Case No.:	_ SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater) <u>SOII</u>	<u> </u>	Lab Sample ID:	237118-013
Sample wt/vo	i: <u>30.5</u>	2 (g/ml) <u>G</u>	Lab File ID:	E72156.D
Level: (low/m	ned) <u>LOV</u>	<u> </u>	Date Received:	6/9/2004
% Moisture:	29.9	decanted:(Y/N) 1	N Date Extracted:	6/18/2004
Concentrated	Extract Volun	ne: <u>1000</u> (uL)	Date Analyzed:	6/22/2004
Injection Volu	me: 2.0 (	(uL)	Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)1	<u> рН: 8.2</u>	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	470
108-95-2	Phenol	2200		470
95-57-8	2-Chlorophenol		U L	470
541-73-1	1,3-Dichlorobenzene		U	470
106-46-7	1,4-Dichlorobenzene		U _	470
95-50-1	1,2-Dichlorobenzene		U	470
100-51-6	Benzyl alcohol		U	470
108-60-1	2,2'-oxybis(1-Chloropropane)		U	470
95-48-7	2-Methylphenol	530		470
67-72-1	Hexachloroethane		U	470
621-64-7	N-Nitroso-di-n-propylamine		U	470
106-44-5	4-Methylphenol	310	J	470
98-95-3	Nitrobenzene		U	470
78-59-1	Isophorone		U	470
88-75-5	2-Nitrophenol	·	U	470
105-67-9	2,4-Dimethylphenol	300	J	470
111-91-1	bis(2-Chloroethoxy)methane		U	470
120-83-2	2,4-Dichiorophenol		U	470
120-82-1	1,2,4-Trichlorobenzene		U	470
91-20-3	Naphthalene	1000		470
106-47-8	4-Chloroaniline		U	470
87-68-3	Hexachlorobutadiene		U	470
59-50-7	4-Chioro-3-methylphenol		U	470
91-57-6	2-Methylnaphthalene	560		470
77-47-4	Hexachlorocyclopentadiene		U	470
88-06-2	2,4,6-Trichlorophenol		U	470
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U	470
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	470
131-11-3	Dimethylphthalate		U	470
606-20-2	2,6-Dinitrotoluene		U	470
83-32-9	Acenaphthene	80	J	470
99-09-2	3-Nitroaniline		U	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	150	J	470
121-14-2	2,4-Dinitrotoluene		U	470

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tet (845) 562-0890 Fax (845) 562-0841

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	OAL	LID!		NIC
FPA	SAI	VIPL	.⊏	IVU.

	TP-8	
_ 1		

1 - 6 3 1	CT! No	whurah		_	ontract:	11-0
Lab Name:	STL Ne	wpui gii		~		_
Lab Code:	10142	c	ase No.:		SAS No.:S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-013
Sample wt/vo	ol:	30.52_	(g/ml) <u>G</u>		Lab File ID:	E72156.D
Level: (low/n	ned)	LOW	_		Date Received:	6/9/2004
% Moisture:	29.9	d	ecanted:(Y/N)	N	_ Date Extracted:	6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ıme: 2	.0 (uL)	_		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: 8.2	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>
040 NO		COMPOU	ND		RESII	IT O .

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1200
86-73-7	Fluorene	160	J	470
7005-72-3	4-Chiorophenyl-phenylether		U	470
84-66-2	Diethylphthalate		U	470
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	470
101-55-3	4-Bromophenyl-phenylether		U	470
118-74-1	Hexachlorobenzene		U	470
87-86-5	Pentachlorophenol		U	1200
85-01-8	Phenanthrene	1100	<u> </u>	470
120-12-7	Anthracene	260	J	470
84-74-2	Di-n-butylphthalate	65	J	470
206-44-0	Fluoranthene	1200		470
129-00-0	Pyrene	1600		470
85-68-7	Butylbenzylphthalate		U	470
91-94-1	3,3'-Dichlorobenzidine		U	470
56-55-3	Benzo(a)anthracene	600		470
218-01-9	Chrysene	720		470
117-81-7	bis(2-Ethylhexyl)phthalate	320	J	470
117-84-0	Di-n-octylphthalate		U <b>T</b> _	470
205-99-2	Benzo(b)fluoranthene	980	3	470
207-08-9	Benzo(k)fluoranthene	270	J 3	470
50-32-8	Benzo(a)pyrene	570	2	470
193-39-5	Indeno(1,2,3-cd)pyrene	280	17	470
62-75-9	n-Nitrosodimethylamine		U T	470
53-70-3	Dibenz(a,h)anthracene	97	7 7	470
191-24-2	Benzo(g,h,i)perylene	290	12	470

STL NYSDOH 10142

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TD 0	

Lab Name:	STL Ne	wburgh		(	Contract:	
Lab Code:	10142	c	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	: 237118-013
Sample wt/vo	ol:	30.52	 (g/ml) G		Lab File ID:	E72156.D
Level: (low/n		LOW			Date Received	6/9/2004
% Moisture:	29.9	de	canted: (Y/N)	N	Date Extracted	: 6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed	6/22/2004
injection Volu					Dilution Factor	1.0
GPC Cleanu		N	pH: 8.2	_		

#### **CONCENTRATION UNITS:**

UG/KG (ug/L or ug/Kg) 20 Number TICs found:

		D.T.	FOT CONC	Q
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.30	23000	JN
2. 000124-18-5	Decane	7.59	830	JN
3. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	8. <u>91</u>	360	JN
4, 001120-21-4	Undecane	9.06	790	JN
5.	tetramethyl Benzene isomer	9.42	370	J
6.	Unknown CnH2n+2	14.50	310	J
7.	Unknown CnH2n+2	14.88	1000	J
8.	C13H38 isomer	15.34	1100	J
9. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.91	14000	JN_
10.	Unknown CnH2n+2	16.31	840	J
11.	Unknown CnH2n+2	16.38	610	J
12. 002057-49-0	Pyridine, 4-(3-phenylpropyl)-	16.67	980	JN
13. 000593-45-3	Octadecane	16.78	4300	JN
14.	Unknown CnH2n+2	16.85	4400	J
15.	Unknown Unknown Benzenedicar	17.35	2200	J
16. 86-74-8	Carbazole	17.43	120	JN
17.	Unknown CnH2n+2	17.54	980	J
18.	Unknown CnH2n+2	17.64	3100	J
19.	Unknown CnH2n+2	18.47	1900	J
20.	Unknown	25.66	930	J

NJDEP 73015

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburgh		C	ontract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	4		Lab Sample ID:	237118-013RE
Sample wt/vo	ol:	30.52	(g/ml) <u>G</u>		Lab File ID:	E72175.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	29.9	d	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	i Extract	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2	.0 (uL)			Dilution Factor:	1.0
GPC Cleanup		N	pH: <u>8.2</u>	_	Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	470
108-95-2	Phenol	2300		470
95-57-8	2-Chlorophenol		U	470
541-73-1	1,3-Dichlorobenzene		U	470
106-46-7	1,4-Dichlorobenzene		U	470
95-50-1	1,2-Dichlorobenzene		U	470
100-51-6	Benzyl alcohol		U	470
108-60-1	2,2'-oxybis(1-Chloropropane)		U	470
95-48-7	2-Methylphenol	530		470
67-72-1	Hexachloroethane		U	470
621-64-7	N-Nitroso-di-n-propylamine		U	470
106-44-5	4-Methylphenol	300	J	470
98-95-3	Nitrobenzene		· U	470
78-59-1	Isophorone		U	470
88-75-5	2-Nitrophenol		U	470
105-67-9	2,4-Dimethylphenol	300	J	470
111-91-1	bis(2-Chloroethoxy)methane		U	470
120-83-2	2,4-Dichlorophenol		U	470
120-82-1	1,2,4-Trichlorobenzene		U	470
91-20-3	Naphthalene	1000		470
106-47-8	4-Chloroaniline		U	470
87-68-3	Hexachlorobutadiene		U	470
59-50-7	4-Chloro-3-methylphenol		U	470
91-57-6	2-Methylnaphthalene	560	-	470
77-47-4	Hexachiorocyclopentadiene		UR	470
88-06-2	2,4,6-Trichlorophenol		U	470
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U	470
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	470
131-11-3	Dimethylphthalate		U	470
606-20-2	2,6-Dinitrotoluene		<u>U</u>	470
83-32-9	Acenaphthene	80	J	470
99-09-2	3-Nitroaniline		U	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	140	J	470
121-14-2	2.4-Dinitrotoluene		U	470

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA :	SAMPL	E NO.
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	QL1	,,,, v O D 1116				TP-8RE
Lab Name:	STL Nev	wburgh		c	ontract:	_
Lab Code:	10142	Ca	se No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-013RE
Sample wt/vo	ol:	30.52	(g/ml) G	<del> </del>	Lab File ID:	E72175.D
Level: (low/n	ned)	LOW	_		Date Received:	6/9/2004
% Moisture:	29.9	de	canted:(Y/N) _	N	_ Date Extracted:	6/18/2004
Concentrated	Extract \	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	 N	pH: 8.2	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
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100-02-7	4-Nitrophenol		U	1200
86-73-7	Fluorene	150	J	470
7005-72-3	4-Chlorophenyl-phenylether		U	470
84-66-2	Diethylphthalate		U	470_
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	470
101-55-3	4-Bromophenyl-phenylether		U	470
118-74-1	Hexachlorobenzene		U	470
87-86-5	Pentachlorophenol		U	1200
85-01-8	Phenanthrene	1000		470
120-12-7	Anthracene	260	J	470
84-74-2	Di-n-butylphthalate	67	J	470
206-44-0	Fluoranthene	1100		470
129-00-0	Pyrene	1800		470
85-68-7	Butylbenzylphthalate		U	470
91-94-1	3,3'-Dichlorobenzidine		U	470
56-55-3	Benzo(a)anthracene	610		470
218-01-9	Chrysene	670		470
117-81-7	bis(2-Ethylhexyl)phthalate	350	J	470
117-84-0	Di-n-octylphthalate		บร	. 470
205-99-2	Benzo(b)fluoranthene	1100	3	470
207-08-9	Benzo(k)fluoranthene	300	J 3	470
50-32-8	Benzo(a)pyrene	590	3	470
193-39-5	Indeno(1,2,3-cd)pyrene	250	J 3	470
62-75-9	n-Nitrosodimethylamine		U 3	470
53-70-3	Dibenz(a,h)anthracene	130	12	470
191-24-2	Benzo(g,h,i)perylene	300	JJ	470



3/90

M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	AMPLE	NO.
TP-8RE		

Lab Name:	STL Nev	wburgh		c	Contract:	_
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-013RE
Sample wt/vo	ol:	30.52	(g/ml) G		Lab File ID:	E72175.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	29.9	de	 canted: (Y/N) _	N	Date Extracted:	6/18/2004
Concentrated	Extract '	Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Factor:	1.0
GPC Cleanup	 o: (Y/N)	N	pH: 8.2			

#### **CONCENTRATION UNITS:**

Number TICs found: 21 (ug/L or ug/Kg) UG/KG

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<del></del>			T
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.26	24000	JN
2.	trimethylbenzene isomer	7.56	820	J
3. 1120-21-4	Undecane	9.04	790	JN
4, 000095-93-2	tetramethylbenzene isomer	9.41	440	J
5. 000544-76-3	Hexadecane	14.87	1100	JN
6.	dimethylundecane isomer	15.32	1200	J
7. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.89	. 9200_	JN
8.	Unknown CnH2n+2	16.29	680	J
9.	Unknown CnH2n+2	16.36	570	J
10.	Unknown CnH2n+2	16.41	440	J
11.	Unknown CnH2n+2	16.48	470	J
12. 002057-49-0	Pyridine, 4-(3-phenylpropyl)-	16.65	830	JN
13.	Unknown CnH2n+2	16.76	3800	J
14.	Unknown CnH2n+2	16.82	3600	J
15.	unknown phthalate	17.32	1500	J
16. 86-74-8	Carbazole	17.41	120	JN_
17.	Unknown CnH2n+2	17.52	610	J
18.	Unknown CnH2n+2	17.63	2300	J
19. 000112-95-8	Eicosane	18.45	1300	JN
20.	Unknown CnH2n+2	19.97	930	J
21.	Unknown	25.63	930	J

SEVERN STL

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
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	OT! No.	ما مسمعان		0	Contract:	TP-7
Lab Name:	STL Nev	wourgn		~		
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/	water)	SOIL			Lab Sample ID:	237118-014
Sample wt/ve	ol:	30.06	(g/ml) G		Lab File ID:	E72149.D
Level: (low/r		LOW			Date Received:	6/9/2004
% Moisture:	12.7		decanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrate	d Extract '	 Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Vol			· <del></del>		Dilution Factor:	1.0
GPC Cleanu		N	pH: <u>8.54</u>	_	Units: (ug/L or u	g/Kg) UG/KG

111-44-4	CAS NO.	COMPOUND	RESULT	Q	RL
108-95-2	111-44-4	bis(2-Chloroethyi)ether		U	
95-57-8			1400		
541-73-1         1,3-Dichlorobenzene         U         380           106-46-7         1,4-Dichlorobenzene         U         380           95-50-1         1,2-Dichlorobenzene         U         380           100-51-6         Benzyl alcohol         U         380           108-60-1         2,2'-oxybis(1-Chloropropane)         U         380           95-46-7         2-Meithylphenol         440         380           67-72-1         Hexachloroethane         U         380           621-64-7         N-Nitroso-di-n-propylamine         U         380           106-44-5         4-Methylphenol         420         380           98-95-3         Nitrobenzene         U         380           88-75-5         1. Isophorone         U         380           88-75-5         2. Nitrophenol         220         J         380           105-67-9         2,4-Dimethylphenol         220         J         380           111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-83-2         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene					
106-46-7					
95-50-1					
100-51-6   Benzyl alcohol   U 380     108-60-1   2,2'-oxybis(1-Chloropropane)   U 380     95-48-7   2-Methylphenol   440   380     67-72-1   Hexachloroethane   U 380     621-64-7   N-Nitroso-di-n-propylamine   U 380     106-44-5   4-Methylphenol   420   380     98-95-3   Nitrobenzene   U 380     88-75-5   Isophorone   U 380     88-75-5   2-Nitrophenol   U 380     105-67-9   2,4-Dimethylphenol   220   J 380     111-91-1   bis(2-Chloroethoxy)methane   U 380     120-83-2   2,4-Dichlorophenol   U 380     120-83-2   2,4-Dichlorophenol   U 380     120-83-2   1,2,4-Trichlorobenzene   850   380     106-47-8   4-Chloroaniline   U 380     106-47-8   4-Chloroaniline   U 380     91-20-3   Naphthalene   850   380     91-57-6   2-Methylnaphthalene   U 380     91-57-6   2-Methylnaphthalene   1100   380     91-57-6   2-Methylnaphthalene   1100   380     91-57-6   2-Methylnaphthalene   U 380     98-96-2   2,4,5-Trichlorophenol   U 380     98-96-4   2,4,5-Trichlorophenol   U 380     91-58-7   2-Chloroanphthalene   U 380     91-58-7   2-Chloroanphthalene   U 380     91-58-7   2-Chloroanphthalene   U 380     91-11-3   Dimethylphthalate   U 380     91-11-3   Dimethylphthalate   U 380     91-11-3   Dimethylphthalate   U 380     91-12-5   2,4-Dinitrophenol   U 950     91-12-5   2,4-Dini					
108-60-1   2,2'-oxybis(1-Chloropropane)					
95-48-7   2-Methylphenol   440   380				U	
67-72-1         Hexachloroethane         U         380           621-64-7         N-Nitroso-di-n-propylamine         U         380           106-44-5         4-Methylphenol         420         380           98-95-3         Nitrobenzene         U         380           98-95-1         Isophorone         U         380           88-75-5         2-Nitrophenol         U         380           105-67-9         2,4-Dimethylphenol         220         J         380           111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           91-20-3         Naphthalene         U         380           87-68-3         Hexachlorobutadiene         U         380           87-68-3         Hexachlorobutadiene         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,5-Trichlorophenol         U			440		
621-64-7         N-Nitroso-di-n-propylamine         420         380           106-44-5         4-Methylphenol         420         380           98-95-3         Nitrobenzene         U         380           78-59-1         Isophorone         U         380           88-75-5         2-Nitrophenol         U         380           105-67-9         2,4-Dimethylphenol         220         J         380           111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-83-2         1,2,4-Trichlorobenzene         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           91-57-6         2-Methylnaphthalene         1100         380           91-57-6         2-Methylnaphthalene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U <td></td> <td></td> <td></td> <td></td> <td></td>					
106-44-5				U	
98-95-3         Nitrobenzene         U         380           78-59-1         Isophorone         U         380           88-75-5         2-Nitrophenol         U         380           105-67-9         2,4-Dimethylphenol         220         J         380           111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           99-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           97-47-4         Hexachlorocyclopentadiene         U         380           95-95-4         2,4,5-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         380           98-74-4         2-Nitroaniline         U         380           88-74-4         2-Nitroaniline         U         <			420		
78-59-1         Isophorone         U         380           88-75-5         2-Nitrophenol         U         380           105-67-9         2,4-Dimethylphenol         220         J         380           111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloro-ailline         U         380           87-68-3         Hexachlorobutadiene         U         380           89-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           97-47-4         Hexachlorocyclopentadiene         U         380           95-95-4         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         380           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         380           208-96-8         Acenaphthylene         U	}				
88-75-5         2-Nitrophenol         U         380           105-67-9         2,4-Dimethylphenol         220         J         380           111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           59-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           88-06-2         2,4,6-Trichlorophenol         U         380           88-06-2         2,4,5-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         380           88-74-4         2-Nitroanlline         U         380           88-74-4         2-Nitroanlline         U         380           131-11-3         Dimethylphthalate         U </td <td></td> <td></td> <td></td> <td></td> <td></td>					
105-67-9         2,4-Dimethylphenol         220         J         380           111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           87-68-3         Hexachlorosyclopentadiene         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         380           88-74-4         2-Nitroaniline         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene				U	
111-91-1         bis(2-Chloroethoxy)methane         U         380           120-83-2         2,4-Dichlorophenol         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           59-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         380           131-11-3         Dimethylphthalate         U         380           83-32-9         Acenaphthene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950			220		
120-83-2         2,4-Dichlorophenol         U         380           120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           59-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         380           91-58-7         2-Chloronaphthalene         U         380           98-74-4         2-Nitroaniline         U         380           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950     <					
120-82-1         1,2,4-Trichlorobenzene         U         380           91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           59-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         950           88-74-4         2-Nitroaniline         U         380           131-11-3         Dimethylphthalate         U         380           83-32-9         Acenaphthene         U         380           89-90-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         U         380 <td></td> <td></td> <td></td> <td></td> <td></td>					
91-20-3         Naphthalene         850         380           106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           59-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         950           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         89         J         380           132-64-9         Dibenzofuran         11         380 <td></td> <td></td> <td></td> <td>U</td> <td></td>				U	
106-47-8         4-Chloroaniline         U         380           87-68-3         Hexachlorobutadiene         U         380           59-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         950           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         B9         J         380           132-64-9         Dibenzofuran         11         380			850		
87-68-3         Hexachlorobutadiene         U         380           59-50-7         4-Chloro-3-methylphenol         U         380           91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         950           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         B9         J         380           132-64-9         Dibenzofuran         J         380				U	
59-50-7       4-Chloro-3-methylphenol       U       380         91-57-6       2-Methylnaphthalene       1100       380         77-47-4       Hexachlorocyclopentadiene       U       380         88-06-2       2,4,6-Trichlorophenol       U       380         95-95-4       2,4,5-Trichlorophenol       U       950         91-58-7       2-Chloronaphthalene       U       380         88-74-4       2-Nitroaniline       U       950         208-96-8       Acenaphthylene       U       380         131-11-3       Dimethylphthalate       U       380         606-20-2       2,6-Dinitrotoluene       U       380         83-32-9       Acenaphthene       U       380         99-09-2       3-Nitroaniline       U       950         51-28-5       2,4-Dinitrophenol       U       950         132-64-9       Dibenzofuran       89       J       380					
91-57-6         2-Methylnaphthalene         1100         380           77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         950           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380				υ	
77-47-4         Hexachlorocyclopentadiene         U         380           88-06-2         2,4,6-Trichlorophenol         U         380           95-95-4         2,4,5-Trichlorophenol         U         950           91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         950           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380			1100		
88-06-2       2,4,6-Trichlorophenol       U       380         95-95-4       2,4,5-Trichlorophenol       U       950         91-58-7       2-Chloronaphthalene       U       380         88-74-4       2-Nitroaniline       U       950         208-96-8       Acenaphthylene       U       380         131-11-3       Dimethylphthalate       U       380         606-20-2       2,6-Dinitrotoluene       U       380         83-32-9       Acenaphthene       U       380         99-09-2       3-Nitroaniline       U       950         51-28-5       2,4-Dinitrophenol       U       950         132-64-9       Dibenzofuran       89       J       380					
95-95-4       2,4,5-Trichlorophenol       U       950         91-58-7       2-Chloronaphthalene       U       380         88-74-4       2-Nitroaniline       U       950         208-96-8       Acenaphthylene       U       380         131-11-3       Dimethylphthalate       U       380         606-20-2       2,6-Dinitrotoluene       U       380         83-32-9       Acenaphthene       U       380         99-09-2       3-Nitroaniline       U       950         51-28-5       2,4-Dinitrophenol       U       950         132-64-9       Dibenzofuran       89       J       380					
91-58-7         2-Chloronaphthalene         U         380           88-74-4         2-Nitroaniline         U         950           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380					
88-74-4         2-Nitroaniline         U         950           208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380					
208-96-8         Acenaphthylene         U         380           131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380				U	
131-11-3         Dimethylphthalate         U         380           606-20-2         2,6-Dinitrotoluene         U         380           83-32-9         Acenaphthene         U         380           99-09-2         3-Nitroaniline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380					
606-20-2       2,6-Dinitrotoluene       U       380         83-32-9       Acenaphthene       U       380         99-09-2       3-Nitroaniline       U       950         51-28-5       2,4-Dinitrophenol       U       950         132-64-9       Dibenzofuran       89       J       380					
83-32-9       Acenaphthene       U       380         99-09-2       3-Nitroaniline       U       950         51-28-5       2,4-Dinitrophenol       U       950         132-64-9       Dibenzofuran       89       J       380					
99-09-2         3-Nitroanlline         U         950           51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380					
51-28-5         2,4-Dinitrophenol         U         950           132-64-9         Dibenzofuran         89         J         380					
132-64-9 Dibenzofuran 89 J 380				U _	
102 0 10 11   390			89		<del></del>
				U	380

STL Newburgh is a part of Severn Trent Laboratories, Inc.



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PA 68-378

FORM I SV-1 NJDEP 73015 CTDOHS PH-0554 EPA NY049

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-7	

RL

Lab Name:	STL Ne	wburah		c	Contract:	15-1
Lab Code:	10142		se No.:		SAS No.: SI	DG No.: 237118
Matrix: (soil/	water)	SOIL	_		Lab Sample ID:	237118-014
Sample wt/vo	ol:	30.06	(g/ml) G		Lab File ID:	E72149.D
Level: (low/r	ned)	LOW	_		Date Received:	6/9/2004
% Moisture:	12.7	de de	canted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ume: 2	.0 (uL)			Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: 8.54	_	Units: (ug/L or ug	g/Kg) <u>UG/KG</u>
CASNO		COMPOUN	ID		RESUL	.T Q

COMPOUND	KESULI	Q	11
4-Nifronhenol		U	950
	87	J	380
		U	380
		U	380
		U	950
		U	950
		U	380
		U	380
		U	380
· · · · · · · · · · · · · · · · · · ·		U	950
	330	J	380
	79	J	380
		U	380
	130	J	380
	100	J	380
		U	380
		U	380
		U	380
	53	J	380
	100	J	380
		U	380
	41	J	380
		U	380
		U	380
		U	380
		U _	380
		U	380
		U	380
	4-Nitrophenol Fluorene 4-Chlorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamine (1) 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Pyrene Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene n-Nitrosodimethylamine Dibenz(a,h)anthracene Benzo(g,h,i)perylene	4-Nitrophenol Fluorene 87  4-Chlorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamine (1) 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene 330 Anthracene 79 Di-n-butylphthalate Fluoranthene 130 Pyrene 100 Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene 53 bis(2-Ethylhexyl)phthalate Benzo(b)fluoranthene 41 Benzo(b)fluoranthene 41 Benzo(a)pyrene Indeno(1,2,3-cd)pyrene n-Nitrosodimethylamine Dibenz(a,h)anthracene	4-Nitrophenol   87

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-7	

Lab Name:	STL Nev	wburgh		c	Contract:		
Lab Code:	10142	C	ase No.:		SAS No.:	_ s	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample	ID:	237118-014
Sample wt/vo	ol:	30.06	(g/ml)	G	Lab File ID:		E72149.D
Level: (low/n	ned)	LOW	_	-	Date Receiv	ed:	6/9/2004
% Moisture:	12.7	de	 canted: (Y	/N) N	Date Extrac	ted:	6/18/2004
Concentrated	Extract	Volume:	1000 (	 (uL)	 Date Analyz	ed:	6/22/2004
Injection Volu					Dilution Fac	tor:	1.0
GPC Cleanu	 p: (Y/N)	N	pH: 8.5	i4			

## **CONCENTRATION UNITS:**

Number TICs found:	19	(ug/L or ug/Kg)	UG/KG

		T		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.32	19000	JN
2. 000108-67-8	Benzene, 1,3,5-trimethyl-	7.59	220	JN
3. 000104-76-7	1-Hexanol, 2-ethyl-	8.08	260	JN
4, 001120-21-4	Undecane	9.07	350	JN
5.	ethyl-dimethyl Benzene isomer	9.86	360	J
6. 000090-12-0	Naphthalene, 1-methyl-	11.97	450	JN
7.	dimethyl Naphthalene isomer	13.03	240	J
8.	dimethyl Naphthalene isomer	13.19	240	J
9.	dimethyl Naphthalene isomer	13.41	230	J
10. 000544-76-3	Hexadecane	14.84	300	JN_
11, 000629-78-7	Heptadecane	15.80	670	JN
12. 000593-45-3	Octadecane	16.71	420	JN
13.	C20H42 isomer	16.78	450	J
14. 000629-92-5	Nonadecane	17.58	430	JN
15.	C15H12 isomer	18.15	220	J
16. 000112-95-8	Eicosane	18.40	330	JN
17.	C13H1202 isomer	18.64	330	J
18. 000629-94-7	Heneicosane	19.18	420	JN_
19.	Unknown Hexanedioic acid	21.30	4100	J

3/90

EDA	SAMPL	
	OMIVIEL	140

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET			TP-6
STL Newb	urgh	Contract:	
10142	Case No.:	SAS No.:	SDG No.: 237118

Lab Sample ID: 237118-015 Matrix: (soil/water) SOIL

Lab File ID: E72160.D 30.9 (g/ml) G Sample wt/vol:

Date Received: 6/9/2004 LOW Level: (low/med)

Date Extracted: 6/18/2004 decanted:(Y/N) 18.9 % Moisture: Date Analyzed: 6/22/2004

Concentrated Extract Volume: 1000 (uL)

Dilution Factor: 1.0 Injection Volume: 2.0 (uL)

Units: (ug/L or ug/Kg) UG/KG GPC Cleanup: (Y/N) N pH: 7.72

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	400
108-95-2	Phenol	1500		400
95-57-8	2-Chiorophenol		U	400
541-73-1	1.3-Dichlorobenzene		U	400
106-46-7	1,4-Dichlorobenzene	40	J	400
95-50-1	1,2-Dichlorobenzene		U	400
100-51-6	Benzyl alcohol		U	400
108-60-1	2,2'-oxybis(1-Chloropropane)		U _	400
95-48-7	2-Methylphenol	830		400
67-72-1	Hexachloroethane		U	400
621-64-7	N-Nitroso-di-n-propylamine		U	400
106-44-5	4-Methylphenol	940		400
98-95-3	Nitrobenzene		U	400
78-59-1	Isophorone	410		400
88-75-5	2-Nitrophenol		U	400
105-67-9	2,4-Dimethylphenol	770		400
111-91-1	bis(2-Chioroethoxy)methane		U	400
120-83-2	2.4-Dichlorophenol		U	400
120-82-1	1,2,4-Trichlorobenzene		U	400
91-20-3	Naphthalene	1400		400
106-47-8	4-Chloroaniline		U	400
87-68-3	Hexachlorobutadiene		U	400
59-50-7	4-Chloro-3-methylphenol		U	400
91-57-6	2-Methylnaphthalene	1600		400
77-47-4	Hexachlorocyclopentadiene		U	400
88-06-2	2,4,6-Trichlorophenol		U	400
95-95-4	2,4,5-Trichlorophenol	130	J	1000
91-58-7	2-Chloronaphthalene		U	400
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene		U	400
131-11-3	Dimethylphthalate		U	400
606-20-2	2,6-Dinitrotoluene		U	400
83-32-9	Acenaphthene	460		400
99-09-2	3-Nitroaniline		U	1000
51-28-5	2,4-Dinitrophenol		<u> </u>	1000
132-64-9	Dibenzofuran	480		400
121-14-2	2,4-Dinitrotoluene		U	400

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Lab Name:

Lab Code:

EPA NY049

PA 68-378

3/00

#### EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANA	ALYSIS DATA SHEET
Lab Name: STL Newburgh	1
Lab Code: 10142 Case No.:	
Matrix: (soil/water) SOIL	Lab Sample ID: 237118-015
Sample wt/vol: 30.9 (g/ml) G	Lab File ID: E72160.D
Level: (low/med) LOW	Date Received: 6/9/2004
% Moisture: 18.9 decanted:(Y/N) N	Date Extracted: 6/18/2004
Concentrated Extract Volume: 1000 (uL)	Date Analyzed: 6/22/2004
Injection Volume: 2.0 (uL)	Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.72	Units: (ug/L or ug/Kg) UG/KG
	•
CAS NO. COMPOUND	RESULT Q RL
100-02-7 4-Nitrophenol	U 1000
86-73-7 Fluorene	640 400
7005-72-3 4-Chlorophenyl-phenylether	U 400
84-66-2 Diethylphthalate	U 400
100-01-6 4-Nitroaniline	U 1000
534-52-1 4,6-Dinitro-2-methylphenol	U 3 1000
86-30-6 n-Nitrosodiphenylamine (1)	U <b>3</b> 400
101-55-3 4-Bromophenyl-phenylether	U T 400
118-74-1 Hexachlorobenzene	U 3 400
87-86-5 Pentachlorophenol	U 3 1000
85-01-8 Phenanthrene	2200 3 400
120-12-7 Anthracene	660 3 400
84-74-2 Di-n-butylphthalate	U 3 400

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206-44-0

129-00-0

85-68-7

91-94-1

56-55-3

218-01-9

117-81-7

117-84-0

205-99-2

207-08-9

50-32-8

62-75-9

53-70-3

191-24-2

193-39-5

Fluoranthene

Butylbenzylphthalate

Benzo(a)anthracene

Di-n-octylphthalate

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(k)fluoranthene

Indeno(1,2,3-cd)pyrene

n-Nitrosodimethylamine

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

3,3'-Dichlorobenzidine

bis(2-Ethylhexyl)phthalate

Pyrene

Chrysene

1600

3400

1100

1100

1200

1500

470

970

480

170

530

EPA NY049

83

E 2

0 <u>7</u>

3

J

JJ

T

7

<u>U 2</u>

JJ

STL Newburgh 315 Fullerton Avenue

Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841

400

400

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400

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400

400

400

400

400

400

400

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	AMPLE NO.
TP-6	

Lab Name:	STL Nev	wburgh		c	Contract:	
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL	<u> </u>		Lab Sample ID	237118-015
Sample wt/vo	ol:	30.9	(g/ml) G		Lab File ID:	E72160.D
Level: (low/n	ned)	LOW			Date Received	6/9/2004
% Moisture:	18.9	de	ecanted: (Y/N)	N	Date Extracted	6/18/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ıme: 2.0	) (uL)			Dilution Factor:	1.0
GPC Cleanu	<del>-,</del>	N	pH: 7.72			

#### **CONCENTRATION UNITS:**

Number TICs found:	13	(ug/L or ug/Kg)	UG/KG
Number Hos loulia.	13	(ug/E or ug/1\g/	00/110

			T	T
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.44	47000	JN
2. 000108-38-3	Benzene, 1,3-dimethyl-	5.62	1200	JN
3.	methyl Naphthalene isomer	11.98	1100	J
4.	dimethyl Naphthalene isomer	13.06	330	J
5.	dimethyl Naphthalene isomer	13.22	330	J
6.	dimethyl Naphthalene isomer	13.27	350	J
7.	dimethyl Naphthalene isomer	13.44	. 710	J
8.	Unknown	13.58	190	J
9. 000000-00-0	Decahydro-4,4,8,9,10-pentameth	13.68	480	JN
10.	Unknown	14.70	570	J_
11.	Unknown CnH2n+2	14.90	670	J
12.	Unknown CnH2n+2	15.36	560	J
13.	C22H42O4 isomer	21.36	800	J_

3/90

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FPA	SAMP	F	NO.
-	C/\divit		110.

Lab Name:	STL Nev	vburah		C	Contract:	IP-6DL
Lab Code:	10142	<del></del>	No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	 vater)	SOIL			Lab Sample ID	237118-015DL
Sample wt/vo	ol:	30.9	(g/ml) G		Lab File ID:	E72196.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	18.9	deca	nted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	/olume: 100	00 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	2.0
GPC Cleanup	o: (Y/N)	N p	H: 7.72	_	Units: (ug/L or ι	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	800
108-95-2	Phenol	1400	D	800
95-57-8	2-Chiorophenol		U	800
541-73-1	1,3-Dichlorobenzene		U	800
106-46-7	1,4-Dichlorobenzene		U	800
95-50-1	1,2-Dichlorobenzene		U	800
100-51-6	Benzyl alcohol		U	800
108-60-1	2,2'-oxybis(1-Chloropropane)		U	800
95-48-7	2-Methylphenol	930	D	800
67-72-1	Hexachloroethane		U	800
621-64-7	N-Nitroso-di-n-propylamine		U	800
106-44-5	4-Methylphenol	1000	D	800
98-95-3	Nitrobenzene		U	800
78-59-1	Isophorone	430	JD	800
88-75-5	2-Nitrophenol		U	800
105-67-9	2,4-Dimethylphenol	860	D	800
111-91-1	bis(2-Chloroethoxy)methane		U	800
120-83-2	2,4-Dichlorophenol		U	800
120-82-1	1,2,4-Trichlorobenzene		U	800
91-20-3	Naphthalene	1400	D	800
106-47-8	4-Chloroaniline		U	800
87-68-3	Hexachlorobutadiene		U	800
59-50-7	4-Chloro-3-methylphenol		U	800
91-57-6	2-Methylnaphthalene	1500	D	800
77-47-4	Hexachlorocyclopentadiene		UR	800
88-06-2	2,4,6-Trichlorophenol		J	800
95-95-4	2,4,5-Trichlorophenol	120	JD	2000
91-58-7	2-Chloronaphthalene		U	800
88-74-4	2-Nitroaniline		U	2000
208-96-8	Acenaphthylene		U	800
131-11-3	Dimethylphthalate		υ	800
606-20-2	2,6-Dinitrotoluene		U	800
83-32-9	Acenaphthene	400	JD	800
99-09-2	3-Nitroaniline		U	2000
51-28-5	2,4-Dinitrophenol		U	2000
132-64-9	Dibenzofuran	520	JD	800
121-14-2	2.4-Dinitrotoluene		U	800

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FORM I SV-1 16 CTDOHS PH-0554 3/90 EPA NY049 PA 68-378

## EPA SAMPLE NO.

#### AVOLATILE ORGANICS ANALYSIS DATA SHEET

TP-6DL	
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RL

TP-6DL
G No.: 237118
237118-015DL
72196.D
6/9/2004
6/18/2004
6/24/2004
2.0
Kg) UG/KG
r Q
U
JD
<u> </u>

100-02-7	4-Nitrophenol		U	2000
86-73-7	Fluorene	650	JD	800
7005-72-3	4-Chlorophenyl-phenylether		U	800
84-66-2	Diethylphthalate		U	800_
100-01-6	4-Nitroaniline		U	2000
534-52-1	4,6-Dinitro-2-methylphenol		U	2000
86-30-6	n-Nitrosodiphenylamine (1)		U	800
101-55-3	4-Bromophenyl-phenylether		U	800
118-74-1	Hexachlorobenzene		U	800
87-86-5	Pentachlorophenol		U	2000
85-01-8	Phenanthrene	2200	D	800
120-12-7	Anthracene	650	JD	800
84-74-2	Di-n-butylphthalate		U	800
206-44-0	Fluoranthene	1800	D	800
129-00-0	Pyrene	2800	DJ	800
85-68-7	Butylbenzylphthalate		U 3	800
91-94-1	3,3'-Dichlorobenzidine		U 2	800
56-55-3	Benzo(a)anthracene	1100	D 2	800
218-01-9	Chrysene	1100	D 2	800
117-81-7	bis(2-Ethylhexyl)phthalate	1300	D 2	800
117-84-0	Di-n-octylphthalate		U 7	. 800
205-99-2	Benzo(b)fluoranthene	1500	D 2	800
207-08-9	Benzo(k)fluoranthene	610	1D 2	800
50-32 <b>-</b> 8	Benzo(a)pyrene	1000	D 2	800
193-39-5	Indeno(1,2,3-cd)pyrene	460	1D 2	800
62-75-9	n-Nitrosodimethylamine		0.2	800
53-70-3	Dibenz(a,h)anthracene	150	JD <b>2</b>	800
191-24 <b>-</b> 2	Benzo(g,h,i)perylene	510	JD 🕽	800

Lab Name:	STL Nev	vburgh		c	ontract:	_
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-016
Sample wt/vo	ol:	30.62	(g/ml) <u>G</u>		Lab File ID:	E72155.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	18.1		decanted:(Y/N) _	N	Date Extracted:	6/18/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.	0 (uL)	)		Dilution Factor:	1.0
GPC Cleanup		N	pH: <u>7.81</u>	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	400
108-95-2	Phenol	4100	EJ	400
95-57-8	2-Chiorophenol		U	400
541-73-1	1,3-Dichlorobenzene		U	400
106-46-7	1.4-Dichlorobenzene		U	400
95-50-1	1,2-Dichlorobenzene		U	400
100-51-6	Benzyl alcohol		U	400
108-60-1	2,2'-oxybis(1-Chloropropane)		U	400
95-48-7	2-Methylphenol	170	J	400
67-72-1	Hexachloroethane		U	400
621-64-7	N-Nitroso-di-n-propylamine		U	400
106-44-5	4-Methylphenol	210	J	400
98-95-3	Nitrobenzene		U	400
78-59-1	Isophorone		U	400
88-75-5	2-Nitrophenol		U	400
105-67-9	2,4-Dimethylphenol	180	J	400
111-91-1	bis(2-Chloroethoxy)methane		U	400
120-83-2	2,4-Dichlorophenol		U	400
120-82-1	1,2,4-Trichlorobenzene		U	400
91-20-3	Naphthalene	1100		400
106-47-8	4-Chloroaniline		U	400
87-68-3	Hexachlorobutadiene		U	400
59-50-7	4-Chloro-3-methylphenol		U	400
91-57-6	2-Methylnaphthalene	620		400
77-47-4	Hexachlorocyclopentadiene		U	400
88-06-2	2,4,6-Trichlorophenol		U	400
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthalene		U	400
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene		U	400
131-11-3	Dimethylphthalate		U	400
606-20-2	2,6-Dinitrotoluene		U	400
83-32-9	Acenaphthene	530		400
99-09-2	3-Nitroaniline		U	1000
51-28-5	2,4-Dinitrophenol		U	1000
132-64-9	Dibenzofuran	510		400
121-14-2	2,4-Dinitrotoluene		U	400

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NYSDOH 10142

FORM LSV-1 NJDEP 73015 CTDOHS PH-0554

EPA NY049

PA 68-378

3/90

M-NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO.
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Lab Name:	STL Ne	wburgh	Con	tract:	TP-9
*m+**		10142 Case No.:		AS No.:	SDG No.: 237118
Matrix: (soil/	water)	SOIL		Lab Sample ID:	237118-016
Sample wt/v	ol:	30.62 (g/ml) G	<del></del>	Lab File ID:	E72155.D
Level: (low/r	ned)	LOW		Date Received:	6/9/2004
% Moisture:	18.1	decanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrate	d Extract	Volume: 1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	ume: 2	.0 (uL)		Dilution Factor:	1.0
GPC Cleanu		 N pH: 7.81		Units: (ug/L or ι	ıg/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	660		400
7005-72-3	4-Chlorophenyl-phenylether		U	400
84-66-2	Diethylphthalate		U	400
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	400
101-55-3	4-Bromophenyl-phenylether		U	400
118-74-1	Hexachlorobenzene		U	400
87-86-5	Pentachlorophenol		U	1000
85-01-8	Phenanthrene	1900		400
120-12-7	Anthracene	330	J	400
84-74-2	Di-n-butylphthalate	91	J	400
206-44-0	Fluoranthene	800		400
129-00-0	Pyrene	750		400
85-68-7	Butylbenzylphthalate		U	400
91-94-1	3,3'-Dichlorobenzidine		U	400
56-55-3	Benzo(a)anthracene	150	J	400
218-01-9	Chrysene	160	J	400
117-81-7	bis(2-Ethylhexyl)phthalate	510		400
117-84-0	Di-n-octylphthalate		U 🗓 .	400
205-99-2	Benzo(b)fluoranthene	140	J 3	400
207-08-9	Benzo(k)fluoranthene		N 2	400
50-32-8	Benzo(a)pyrene	88	12	400
193-39-5	Indeno(1,2,3-cd)pyrene		U 2	400
62-75-9	n-Nitrosodimethylamine		U <u>T</u>	400
53-70-3	Dibenz(a,h)anthracene		0.2	400
191-24-2	Benzo(g,h,i)perylene		U 3	400

SEVERN STL NYSDOH 10142

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	\S/	٩MF	'LE	ИO
_				

Lab Name:	STL Ne	wburgh	Contract:	17-9
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237118
Matrix: (soil/v	water)	SOIL	Lab Sample ID:	237118-016
Sample wt/vo	ol:	30.62 (g/ml) G	Lab File ID:	E72155.D
Level: (low/n	ned)	LOW	Date Received:	6/9/2004
% Moisture:	18.1	decanted: (Y/N)	N Date Extracted	6/18/2004
Concentrated	Extract	Volume: 1000 (uL)	Date Analyzed:	6/22/2004
Injection Volu		<del></del>	Dilution Factor:	1.0
GPC Cleanu		N pH: 7.81		

## CONCENTRATION UNITS:

Number TICs found:	20	(ug/L or ug/Kg)	UG/KG
I TOUTION		, ,	

		T		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.37	24000	JN
2. 000526-73-8	Benzene, 1,2,3-trimethyl-	7.22	340	JN_
3. 000611-14-3	Benzene, 1-ethyl-2-methyl-	8.02	340	JN
4. 001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.92	580	JN
5.	Benzene isomer	9.38	450	J
6. 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	9.43	680	JN
7.	Benzene isomer	9.72	380	J
8. 055000-48-1	Benzoic acid, 2,5-dimethyl-, (2,4-	9.94	380	JN_
9.	Benzene isomer	10.04	450	J
10.	Benzene isomer	10.14	300	J
11. 004218-48-8	Benzene, 1-ethyl-4-(1-methylethyl	10.57	300	JN
12. 000627-93-0	Hexanedioic acid, dimethyl ester	10.92	340	JN
13.	methyl Naphthalene isomer	11.97	390	J
14, 000544-76-3	Hexadecane	14.87	370	JN
15.	Unknown CnH2n+2	15.32	340	J
16. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.88	2000	JN
17.	Unknown CnH2n+2	16.84	800	J
18,	C16H22O4 isomer	17.38	2400	J
19. 86-74-8	Carbazole	17.45	200	JN_
20. 86 74-8	Carpazole	17.45	200	JN-

3/90

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPI	LE NO.
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Lab Name:	STL Ne	wburgh		Co	ontract:		TP-9DL	
		0142 Case No.:			SAS No.:		SDG No.: 237118	
Matrix: (soil/\	vater)	SOIL			Lab Sampl	le ID: 2	237118-016DL	
Sample wt/vo	-	30.62	 (g/ml) G		Lab File ID	: <u>E</u>	E72174.D	
Level: (low/r		LOW			Date Rece	ived: 6	5/9/2004	
% Moisture:	18.1	de	canted:(Y/N)	N	Date Extra	cted: 6	5/18/2004	
Concentrated	d Extract	 Volume:	1000 (u <b>L</b> )	- '	Date Analy	zed: 6	6/23/2004	
Injection Volu		.0 (uL)	<del></del>		Dilution Fa	ctor: 2	2.0	
GPC Cleanu	_	N	pH: 7.81		Units: (ug/l	or ug/	Kg) <u>UG/KG</u>	

CAS NO. COMPOUND		RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	800
108-95-2	Phenol	3900		800
95-57-8	2-Chlorophenol		U	800
541-73-1	1,3-Dichlorobenzene		U	800
106-46-7	1,4-Dichlorobenzene		U	800
95-50-1	1,2-Dichlorobenzene		U	800
100-51-6	Benzyl alcohol		U	800
108-60-1	2,2'-oxybis(1-Chloropropane)		U	800
95-48-7	2-Methylphenol	180	j	800
67-72-1	Hexachloroethane		U	800
621-64-7	N-Nitroso-di-n-propylamine		U_	800
106-44-5	4-Methylphenol	220	J	800
98-95-3	Nitrobenzene		U	800
78-59-1	Isophorone		U	800
88-75-5	2-Nitrophenol		U	800
105-67-9	2,4-Dimethylphenol	210	J	800
111-91-1	bis(2-Chloroethoxy)methane		U	800
120-83-2	2,4-Dichlorophenol		U	800
120-82-1	1,2,4-Trichlorobenzene		U	800
91-20-3	Naphthalene	1100		800
106-47-8	4-Chloroaniline		U	800
87-68-3	Hexachlorobutadiene		U	800
59-50-7	4-Chloro-3-methylphenol		U	800
91-57-6	2-Methylnaphthalene	610	J	800
77-47-4	Hexachlorocyclopentadiene		UR	800
88-06-2	2,4,6-Trichlorophenol		U L	800
95-95-4	2,4,5-Trichlorophenol		U	2000
91-58-7	2-Chloronaphthalene		U	800
88-74-4	2-Nitroaniline		U	2000
208-96-8	Acenaphthylene		U	800
131-11-3	Dimethylphthalate		U _	800
606-20-2	2,6-Dinitrotoluene		U	800
83-32-9	Acenaphthene	530	J	800
99-09-2	3-Nitroaniline		U	2000
51-28-5	2,4-Dinitrophenol		U	2000
132-64-9	Dibenzofuran	500	<u> </u>	800
121-14-2	2,4-Dinitrotoluene		U	800

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FORM LSV-1 15 CTDOHS PH-0554

PA 68-378

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M-NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fex (845) 562-0841

TP-9DL
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RL

Lab Name:	STL Ne	wburah		(	Contract:	TP-9DL
Lab Code:	10142		se No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL	_		Lab Sample ID:	237118-016DL
Sample wt/vo	ol:	30.62	(g/ml) G		Lab File ID:	E72174.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	18.1	de	canted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract	 Volume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2.	0 (uL)	•		Dilution Factor:	2.0
GPC Cleanup	o: (Y/N)	N	pH: <u>7.81</u>	-	Units: (ug/L or uç	g/Kg) <u>UG/KG</u>
CAS NO.	C	COMPOUN	D		RESUL	.T Q

CAS NO.	COMPOSIND	, (2002)	~	• •-
100-02-7	4-Nitrophenol		U	2000
86-73-7	Fluorene	650	J	800
7005-72-3	4-Chlorophenyl-phenylether		U	800
84-66-2	Diethylphthalate		U  _	800
100-01-6	4-Nitroaniline		U	2000
534-52-1	4,6-Dinitro-2-methylphenol		U	2000
86-30-6	n-Nitrosodiphenylamine (1)		U	800
101-55-3	4-Bromophenyl-phenylether		U	800
118-74-1	Hexachlorobenzene		U  _	800
87-86-5	Pentachlorophenol		U	2000
85-01-8	Phenanthrene	2000		800
120-12-7	Anthracene	310	J	800
84-74-2	Di-n-butylphthalate	100	J	800
206-44-0	. Fluoranthene	940		800
129-00-0	Pyrene	730	J	800
85-68 <b>-</b> 7	Butylbenzylphthalate		U	800
91-94-1	3,3'-Dichlorobenzidine	6	J	800
56-55-3	Benzo(a)anthracene	150	J	800
218-01-9	Chrysene	170	J	800
117-81-7	bis(2-Ethylhexyl)phthalate	600	J	800
117-84-0	Di-n-octylphthalate		U	800
205-99-2	Benzo(b)fluoranthene	130	J	800
207-08-9	Benzo(k)fluoranthene		U	800
50-32-8	Benzo(a)pyrene	89	J	800 _
193-39-5	Indeno(1,2,3-cd)pyrene		U	800
62-75-9	n-Nitrosodimethylamine		U	800
53-70-3	Dibenz(a,h)anthracene		U _	800
191-24-2	Benzo(g,h,i)perylene		U	800

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M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name:	STL Nev	vburgh		c	ontract:	_
Lab Code:	10142	c	ase No.:		SAS No.: 5	SDG No.: <u>237118</u>
Matrix: (soil/w	vater)	SOIL			Lab Sample ID:	237118-017
Sample wt/vo	ol:	30.96	(g/ml) G		Lab File ID:	E72158.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	22.4	d	ecanted:(Y/N)	N	_ Date Extracted:	6/18/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: 2.	0_ (uL)			Dilution Factor:	1.0
GPC Cleanup	): (Y/N)	N	pH: 7.96		Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	420
108-95-2	Phenol	2000		420
95-57-8	2-Chiorophenol		U	420
541-73-1	1,3-Dichlorobenzene		U	420-
106-46-7	1,4-Dichlorobenzene		U	420
95-50-1	1,2-Dichlorobenzene		U	420
100-51-6	Benzyl alcohol		U	420
108-60-1	2,2'-oxybis(1-Chloropropane)		U	420
95-48-7	2-Methylphenol	690		420
67-72-1	Hexachloroethane		U	420
621-64-7	N-Nitroso-di-n-propylamine		U	420
106-44-5	4-Methylphenol	820		420
98-95-3	Nitrobenzene		U	420
78-59-1	Isophorone		U	420
88-75-5	2-Nitrophenol		U	420
105-67-9	2,4-Dimethylphenol	600		420
111-91-1	bis(2-Chloroethoxy)methane		U	420
120-83-2	2,4-Dichlorophenol		U	420
120-82-1	1,2,4-Trichlorobenzene		U	420
91-20-3	Naphthalene	1500		420
106-47-8	4-Chloroaniline		U	420
87-68-3	Hexachlorobutadiene		υ	420
59-50-7	4-Chloro-3-methylphenol		U	420
91-57-6	2-Methylnaphthalene	1300		420
77-47-4	Hexachlorocyclopentadiene		U	420
88-06-2	2,4,6-Trichlorophenol		U	420
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthalene	·	U	420
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene		U	420
131-11-3	Dimethylphthalate		U	420
606-20-2	2,6-Dinitrotoluene		U	420
83-32-9	Acenaphthene	620		420
99-09-2	3-Nitroaniline		U	1000
51-28-5	2,4-Dinitrophenol		U	1000
132-64-9	Dibenzofuran	790		420
121-14-2	2,4-Dinitrotoluene		U	420

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPLE	NO.
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Lab Name:	STL Ne	wburgh		c	ontract:	TP-11
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/	water)	SOIL	_		Lab Sample	ID: 237118-017
Sample wt/v	ol:	30.96	_ (g/ml) <u>G</u>		Lab File ID:	E72158.D
Level: (low/r	ned)	LOW	_		Date Receive	ed: 6/9/2004
% Moisture:	22.4	de	ecanted:(Y/N)	N	_ Date Extract	ed: 6/18/2004
Concentrate	d Extract	Volume:	1000 (uL)		Date Analyze	ed: 6/22/2004
Injection Volu	ume: 2	.0 (uL)			Dilution Fact	or: <u>1.0</u>
GPC Cleanu	p: (Y/N)	N N	pH: 7.96		Units: (ug/L o	or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	1100		420
7005-72-3	4-Chlorophenyl-phenylether		U	420
84-66-2	Diethylphthalate		U	420
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	420
101-55-3	4-Bromophenyl-phenylether		U	420
118-74-1	Hexachlorobenzene		U	420
87-86-5	Pentachlorophenol		U	1000
85-01-8	Phenanthrene	6500	E3	420
120-12-7	Anthracene	1400		420
84-74-2	Di-n-butylphthalate		U	420
206-44-0	Fluoranthene	4500	E 2	420
129-00-0	Pyrene	6900	EJ	420
85-68-7	Butylbenzylphthalate		ប រ្	420
91-94-1	3,3'-Dichlorobenzidine		ប្រ	420
56-55-3	Benzo(a)anthracene	2600	2	420
218-01-9	Chrysene	2700	2	420
117-81-7	bis(2-Ethylhexyl)phthalate	3000	2	420
117-84-0	Di-n-octylphthalate		0.2	420
205-99-2	Benzo(b)fluoranthene	3400	E 2	420
207-08-9	Benzo(k)fluoranthene	1200	3	420
50-32-8	Benzo(a)pyrene	2300	コ	420
193-39-5	Indeno(1,2,3-cd)pyrene	1300	2	420
62-75-9	n-Nitrosodimethylamine		N 2	420
53-70-3	Dibenz(a,h)anthracene	410	J <b>3</b>	420
191-24-2	Benzo(g,h,i)perylene	1200	<b>5</b>	420



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TD 44	

Lab Name:	STL Nev	wburgh		С	ontract:	
Lab Code:	10142		Case No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample II	D: <u>237118-017</u>
Sample wt/vo	ol:	30.96	(g/ml) G		Lab File ID:	E72158.D
Level: (low/n		LOW	<del></del>		Date Received	d: 6/9/2004
% Moisture:	22.4	de	 ecanted: (Y/N)	Ν	Date Extracted	d: 6/18/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed	1: 6/22/2004
Injection Volu					Dilution Factor	r: <u>1.0</u>
GPC Cleanup		N	pH: 7.96	-		

## **CONCENTRATION UNITS:**

Number TICs found:	19	(ug/L or ug/Kg)	UG/KG

		T		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.37	26000	JN
2.	C8H8 isomer	5.98	390	J
3. 000527-84-4	Benzene, 1-methyl-2-(1-methylet	8.92	380	JN
4. 001120-21-4	Undecane	9.07	510	JN_
5.	Phenol isomer	9.29	280	J
6.	Benzene isomer	9.43	290	J
7.	C11H22 isomer	9.62	320	J
8.	Unknown	9.93	300	J
9.	Unknown	10.02	280	J
10. 000618-45-1	Phenol, 3-(1-methylethyl)-	10.45	550	<u>JN</u>
11.	methyl Naphthalene isomer	11.98	840	<u>J</u>
12,	dimethyl Naphthalene isomer	13.07	290	J
13.	dimethyl Naphthalene isomer	13.21	290	J
14.	Unknown	13.28	680	J
15.	Unknown CnH2n+2	13.46	780	J
16.	Unknown	13.59	350	J
17.	C15H28 isomer	13.69	860	<u>J</u>
18, 86-74-8	Carbazole	17.51	720	JN
19. 86-74-8	Carbazole	17.51	720	JN(

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburgh		0	Contract:	
Lab Code:	10142	·	Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-017DL
Sample wt/vo	ol:	30.96	(g/ml) G		Lab File ID:	E72163.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	22.4		decánted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract	Volume	: 1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2.	0 (uL	.)		Dilution Factor:	5.0
GPC Cleanup	o: (Y/N)	N	pH: 7.96		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	2100
108-95-2	Phenol	1900	JD	2100_
95-57-8	2-Chlorophenol		U	2100
541-73-1	1,3-Dichlorobenzene		U	2100
106-46-7	1,4-Dichlorobenzene		U	2100
95-50-1	1,2-Dichlorobenzene		U	2100
100-51-6	Benzyl alcohol		U	2100
108-60-1	2,2'-oxybis(1-Chloropropane)		U	2100
95-48-7	2-Methylphenol	690	JD	2100
67-72-1	Hexachloroethane		U	2100
621-64-7	N-Nitroso-di-n-propylamine		U	2100
106-44-5	4-Methylphenol	880	JD	2100
98-95-3	Nitrobenzene		U	2100
78-59-1	Isophorone		U	2100
88-75-5	2-Nitrophenol		U	2100
105-67-9	2,4-Dimethylphenol	660	JD	2100
111-91-1	bis(2-Chloroethoxy)methane		U	2100
120-83-2	2,4-Dichlorophenol		U	2100
120-82-1	1,2,4-Trichlorobenzene		U	2100
91-20-3	Naphthalene	1700	JD	2100
106-47-8	4-Chloroaniline		U	2100
87-68-3	Hexachlorobutadiene		U	2100
59-50-7	4-Chloro-3-methylphenol		U	2100
91-57-6	2-Methylnaphthalene	1300	JD	2100
77-47-4	Hexachlorocyclopentadiene		UR	2100
88-06-2	2,4,6-Trichlorophenol		U	2100
95-95-4	2,4,5-Trichlorophenol		U	5200
91-58-7	2-Chloronaphthalene		U	2100
88-74-4	2-Nitroaniline		U	5200
208-96-8	Acenaphthylene		U	2100
131-11-3	Dimethylphthalate		U	2100
606-20-2	2,6-Dinitrotoluene		U	2100
83-32-9	Acenaphthene	750	JD	2100
99-09-2	3-Nitroaniline		U	5200
51-28-5	2,4-Dinitrophenol		U	5200
132-64-9	Dibenzofuran	790	JD	2100
121-14-2	2,4-Dinitrotoluene		U	2100

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TP-11DL

Lab Name:	STL Nev	vburgh		_ c	contract:	
Lab Code:	10142	c	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL			Lab Sample ID:	237118-017DL
Sample wt/vo	i:	30.96	(g/ml) G		Lab File ID:	E72163.D
Level: (low/m	ned)	LOW	<u></u>		Date Received:	6/9/2004
% Moisture:	22.4	d	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: <u>2.</u> 0	0 (uL)			Dilution Factor:	5.0
GPC Cleanup	o: (Y/N)	N	_ pH: <u>7.96</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	5200
86-73-7	Fluorene	1200	JD	2100
7005-72-3	4-Chlorophenyl-phenylether		U	2100
84-66-2	Diethylphthalate		U	2100
100-01-6	4-Nitroaniline		U	5200
534-52-1	4,6-Dinitro-2-methylphenol		U	5200
86-30-6	n-Nitrosodiphenylamine (1)		U	2100
101-55-3	4-Bromophenyl-phenylether		U	2100
118-74-1	Hexachlorobenzene		U	2100
87-86-5	Pentachlorophenoi		U	5200
85-01-8	Phenanthrene	7200	D	2100
120-12-7	Anthracene	1700	JD	2100
84-74-2	Di-n-butylphthalate		U	2100
206-44-0	Fluoranthene	7500	D	2100
129-00-0	Pyrene	5800	D	2100
85-68-7	Butylbenzylphthalate		U	2100
91-94-1	3,3'-Dichlorobenzidine		U	2100
56-55-3	Benzo(a)anthracene	3000	D	2100
218-01-9	Chrysene	3100	D	2100
117-81-7	bis(2-Ethylhexyl)phthalate	3200	D	2100
117-84-0	Di-n-octylphthalate		U	2100
205-99-2	Benzo(b)fluoranthene	4000	D	2100
207-08-9	Benzo(k)fluoranthene	1300	JD	2100
50-32-8	Benzo(a)pyrene	2700	D	2100
193-39-5	Indeno(1,2,3-cd)pyrene	1200	JD	2100
62-75-9	n-Nitrosodimethylamine		U	2100
53-70-3	Dibenz(a,h)anthracene	390	JD	2100
191-24-2	Benzo(g,h,i)perylene	1100	JD	2100

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( <sup>(***</sup> )	
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## SAMPLE DATA SUMMARY PACKAGE

InteGreyted International, LLC Syracuse, NY

Project: Cooper 0310025P STL Lab. #: 237118

Matrix: Soil 2 of 2

TP-10	
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Lab Name:	STL Nev	wburgh		c	Contract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-018
Sample wt/vo	ol:	30.14	(g/ml) G		Lab File ID:	E72148.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	22.4		decanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: <u>2.</u>	0 (uL)	)		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: <u>7.96</u>	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		UR	430_
108-95-2	Phenol	500	3	430
95-57-8	2-Chlorophenol		UR	430
541-73-1	1,3-Dichlorobenzene		UR	430_
106-46-7	1,4-Dichlorobenzene		l u <i>R</i> l	430
95-50-1	1,2-Dichlorobenzene		UR	430
100-51-6	Benzyl alcohol		UR	430
108-60-1	2,2'-oxybis(1-Chloropropane)		UR	430
95-48-7	2-Methylphenoi	340	J 📆	430
67-72-1	Hexachloroethane		UR	430
621-64-7	N-Nitroso-di-n-propylamine		UR	430
106-44-5	4-Methylphenol	410	J 🏅 📗	430
98-95-3	Nitrobenzene		UR	430
78-59-1	Isophorone		UR	430
88-75-5	2-Nitrophenol		URI	430
105-67-9	2,4-Dimethylphenol	280	11	430
111-91-1	bis(2-Chloroethoxy)methane		UR	430
120-83-2	2,4-Dichlorophenol		UR	430
120-82-1	1,2,4-Trichlorobenzene		UR	430
91-20-3	Naphthalene	340	J 3	430
106-47-8	4-Chloroaniline		U R	430
87-68-3	Hexachlorobutadiene			430
59-50-7	4-Chloro-3-methylphenol		υR	430
91-57-6	2-Methylnaphthalene	230	12	430
77-47-4	Hexachlorocyclopentadiene		UR	430
88-06-2	2,4,6-Trichlorophenol		UR	430
95-95-4	2,4,5-Trichlorophenol		UR	1100
91-58-7	2-Chloronaphthalene		UR	430
88-74-4	2-Nitroaniline		UR	1100
208-96-8	Acenaphthylene		UR	430
131-11-3	Dimethylphthalate		υŔ	430
606-20-2	2,6-Dinitrotoluene		UR	430
83-32-9	Acenaphthene		UR	430
99-09-2	3-Nitroaniline		U R U R	1100
51-28-5	2,4-Dinitrophenol			1100
132-64-9	Dibenzofuran	68	J ত্র	430
121-14-2	2,4-Dinitrotoluene		UR	430

SEVERN STL NYSDOH 10142

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.

Lab Name:	STL Ne	wburgh		c	Contract:	
Lab Code:	10142		Case No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	): <u>237118-018</u>
Sample wt/vo	ol:	30.14	(g/ml) G		Lab File ID:	E72148.D
Level: (low/n	ned)	LOW			Date Received	: 6/9/2004
% Moisture:	22.4		decanted:(Y/N)	N	Date Extracted	l: 6/18/2004
Concentrated	i Extract	Volume:	1000 (uL)		Date Analyzed	: 6/22/2004
Injection Volu	ıme: 2	.0 (uL)	<u> </u>		Dilution Factor	: 1.0
GPC Cleanup	o: (Y/N)	N	pH: <u>7.96</u>	-	Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		UR	1100
86-73-7	Fluorene	71	ਹਰ	430
7005-72-3	4-Chiorophenyl-phenylether		UR	430
84-66-2	Diethylphthalate		UR	430
100-01-6	4-Nitroaniline		UR	1100
534-52-1	4,6-Dinitro-2-methylphenol		υß	1100
86-30-6	n-Nitrosodiphenylamine (1)		UR	430
101-55-3	4-Bromophenyl-phenylether		U <u> </u>	430
118-74-1	Hexachlorobenzene		U 8	430
87-86-5	Pentachlorophenol		UR	1100
85-01-8	Phenanthrene	200	17	430
120-12-7	Anthracene	49	J 🕶	430
84-74-2	Di-n-butylphthalate		UR	430
206-44-0	Fluoranthene	62	1 1	430
129-00-0	Pyrene	47	J . Z	430
85-68-7	Butylbenzylphthalate		UR	430
91-94-1	3,3'-Dichlorobenzidine		UR	430
56-55-3	Benzo(a)anthracene		UR	430
218-01-9	Chrysene		υR	430
117-81-7	bis(2-Ethylhexyl)phthalate		UR	430
117-84-0	Di-n-octylphthalate		UR	430
205-99-2	Benzo(b)fluoranthene		UK	430
207-08-9	Benzo(k)fluoranthene		<u> </u>	430
50-32-8	Benzo(a)pyrene		UR	430
193-39-5	Indeno(1,2,3-cd)pyrene		UR	430
62-75-9	n-Nitrosodimethylamine		UR	430
53-70-3	Dibenz(a,h)anthracene		υR	430
191-24-2	Benzo(g,h,i)perylene		UR	430



3/90

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TP-10	

Lab Name: STL N	lewburgh	Contract:	
Lab Code: 10142	Case No.:	SAS No.: S	DG No.: 237118
Matrix: (soil/water)	SOIL	Lab Sample ID:	237118-018
Sample wt/vol:	30.14 (g/ml) G	Lab File ID:	E72148.D
Level: (low/med)	LOW	Date Received:	6/9/2004
% Moisture: 22	.4 decanted: (Y/N)	N _ Date Extracted:	6/18/2004
Concentrated Extra	ot Volume: 1000 (uL)	Date Analyzed:	6/22/2004
Injection Volume:	 2.0 (uL)	Dilution Factor:	1.0
GPC Cleanup: (Y/N)			

## **CONCENTRATION UNITS:**

N	40	(ug/L or ug/Kg)	UG/KG
Number TICs found:	10	(ug/L of ug/Ng)	UUMU

		<del></del>		I
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.25	9900	JN
2.	C6H6 isomer	9.88	110	J
3. 000088-69-7	Phenol, 2-(1-methylethyl)-	10.44	690	JN
4, 000090-12-0	Naphthalene, 1-methyl-	11.96	120	JN
5.	dimethyl Naphthalene isomer	13.04	100	J
6.	dimethyl Naphthalene isomer	13.19	100	J
7	dimethyl Naphthalene isomer	13.24	98	J
8.	Ünknown	16.35	110	J
9.	C13H12O2 isomer	18.62	250	J
10	C13H12O2 isomer	19.15	190	J

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TP-10RR	<u>-</u>
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Lab Name:	STL Nev	wburgh		c	Contract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-018RR
Sample wt/vo	ol:	30.17	(g/ml) G		Lab File ID:	E72214.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	18.4		decanted:(Y/N)	N	Date Extracted:	6/24/2004
Concentrated	Extract	— Volume:	1000 (uL)		Date Analyzed:	6/28/2004
Injection Volu	ıme: 2.	0 (uL	)		Dilution Factor:	1.0
GPC Cleanup		N	pH: <u>8.18</u>	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		υJ	410
108-95-2	Phenol	930	J	410
95-57-8	2-Chlorophenol		U 2	410
541-73-1	1,3-Dichlorobenzene		U 2	410
106-46-7	1,4-Dichlorobenzene		U 3	410
95-50-1	1,2-Dichlorobenzene		บช	410
100-51-6	Benzyl alcohol		U 2	410
108-60-1	2,2'-oxybis(1-Chloropropane)		บร	410
95-48-7	2-Methylphenol	800	ত	410
67-72-1	Hexachloroethane		U 📆	410
621-64-7	N-Nitroso-di-n-propylamine		υJ	410
106-44-5	4-Methylphenol	990	3	410
98-95-3	Nitrobenzene		U 2	410
78-59-1	Isophorone		0.2	410
88-75-5	2-Nitrophenol		U 2	410
105-67-9	2,4-Dimethylphenol	980	7	410
111-91-1	bis(2-Chloroethoxy)methane		υ <b>3</b>	410
120-83-2	2,4-Dichlorophenol		n <b>2</b>	410
120-82-1	1,2,4-Trichlorobenzene	220	J 3	410
91-20-3	Naphthalene	1800	3	410
106-47-8	4-Chioroaniline		U 3	410
87-68-3	Hexachlorobutadiene		US	410
59-50-7	4-Chioro-3-methylphenol		U 3	410
91-57-6	2-Methylnaphthalene	1400	3	410
77-47-4	Hexachlorocyclopentadiene		υR	410
88-06-2	2,4,6-Trichlorophenol		∪ <u>2</u>	410
95-95-4	2,4,5-Trichlorophenol		บร	1000
91-58-7	2-Chloronaphthalene		U 3	410
88-74-4	2-Nitroaniline		U 3	1000
208-96-8	Acenaphthylene		U 7	410
131-11-3	Dimethylphthalate		<u>∪ ภ</u>	410
606-20-2	2,6-Dinitrotoluene		<u> </u>	410
83-32-9	Acenaphthene		<u> 0 2</u>	410
99-09-2	3-Nitroaniline		Ο ,2	1000
51-28-5	2,4-Dinitrophenol		03	1000
132-64-9	Dibenzofuran		UJ	410
121-14-2	2,4-Dinitrotoluene		U 3	410

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TP-10RR	
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Lab Name:	STL Ne	wburgh		c	contract:	IF-IUNA.
Lab Code:	10142	Ca	ase No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	: 237118-018RR
Sample wt/vo	ol:	30.17	(g/ml) G		Lab File ID:	E72214.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	18.4	de	canted:(Y/N)	N	Date Extracted:	6/24/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/28/2004
Injection Volu	me: 2.	.0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 8.18		Units: (ug/L or เ	ıg/Kg) <u>ÜG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U <b>3</b>	1000
86-73-7	Fluorene	580	2	410
7005-72-3	4-Chlorophenyl-phenylether		U 3	410
84-66-2	Diethylphthalate		UJ	410
100-01-6	4-Nitroaniline		UJ	1000
534-52-1	4,6-Dinitro-2-methylphenol	·	บส	1000
86-30-6	n-Nitrosodiphenylamine (1)		U T	410
101-55-3	4-Bromophenyl-phenylether		UJ	410
118-74-1	Hexachlorobenzene		UT	410
87-86-5	Pentachlorophenol		U 2	1000
85-01-8	Phenanthrene	1900	7	410
120-12-7	Anthracene	130	J 📆	410
84-74-2	Di-n-butylphthalate		U <b>T</b>	410
206-44-0	Fluoranthene	380	J	410
129-00-0	Pyrene	740	1	410
85-68-7	Butylbenzylphthalate		U 3	410
91-94-1	3,3'-Dichlorobenzidine		υJ	410
56-55-3	Benzo(a)anthracene	230	J 3	410
218-01-9	Chrysene	150	J <b>J</b>	410
117-81-7	bis(2-Ethylhexyl)phthalate	630	3	410
117-84-0	Di-n-octylphthalate		υ 🕽 🐪	410
205-99-2	Benzo(b)fluoranthene	140	<u> </u>	410
207-08-9	Benzo(k)fluoranthene		0.7	410
50-32-8	Benzo(a)pyrene	43	ปร	410
193-39-5	Indeno(1,2,3-cd)pyrene		บบั	410
62-75-9	n-Nitrosodimethylamine		U 3	410
53-70-3	Dibenz(a,h)anthracene		UJ	410
191-24-2	Benzo(g,h,i)perylene		บบ	410

STL NYSDOH 10142

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS ---

EPA SAMPLE	NO.
TD 4000	
TP-10RR	

Lab Name:	STL Nev	wburgh		C	Contract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	water)	SOIL			Lab Sample ID:	237118-018RR
Sample wt/vo	ol:	30.17	(g/ml) G		Lab File ID:	E72214.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	18.4	de	ecanted: (Y/N)	N	Date Extracted:	6/24/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	6/28/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: 8.18	_		

## **CONCENTRATION UNITS:**

Number TICs found:	3	(ug/L or ug/Kg)	UG/KG	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000141-79-7	3-Penten-2-one, 4-methyl-	4.29	600	JN
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-r	nethyl 5.24	34000	JN
3. 000088-69-7	Phenol, 2-(1-methylethyl)-	10.39	1300	JN

NJDEP 73015

3/90

Lab Name:	STL Nev	vburgh		c	contract:	
Lab Code:	10142		Case No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample II	D: <u>237118-019</u>
Sample wt/vo	ol:	30.18	(g/ml) G		Lab File ID:	E72154.D
Level: (low/n		LOW			Date Received	d: 6/9/2004
% Moisture:	19		decanted:(Y/N)	N_	Date Extracted	d: <u>6/18/2004</u>
Concentrated	Extract	 Volume:	1000 (uL)		Date Analyzed	i: <u>6/22/2004</u>
Injection Volu	ıme: 2.	0 (uL	.)		Dilution Factor	r: 1.0
GPC Cleanup		N	pH: <u>7.85</u>		Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	410
108-95-2	Phenol	1400		410
95-57-8	2-Chlorophenol		U _	410
541-73-1	1.3-Dichlorobenzene		U	410
106-46-7	1,4-Dichlorobenzene		U	410
95-50-1	1,2-Dichlorobenzene		U	410
100-51-6	Benzyl alcohol		U	410
108-60-1	2,2'-oxybis(1-Chloropropane)		U	410
95-48-7	2-Methylphenol	860		410
67-72-1	Hexachloroethane		U	410
621-64-7	N-Nitroso-di-n-propylamine		U	410
106-44-5	4-Methylphenol	1200		410
98-95-3	Nitrobenzene		U	410
78-59-1	Isophorone		U	410
88-75-5	2-Nitrophenol		U	410
105-67-9	2,4-Dimethylphenol	750		410
111-91-1	bis(2-Chloroethoxy)methane		U	410
120-83-2	2,4-Dichlorophenol		U	410
120-83-2	1,2,4-Trichlorobenzene		U	410
91-20-3	Naphthalene	930		410 ·
106-47-8	4-Chloroaniline		U	410
87-68-3	Hexachlorobutadiene		U	410
59-50-7	4-Chloro-3-methylphenol		U	410
91-57-6	2-Methylnaphthalene	850		410
77-47-4	Hexachlorocyclopentadiene		U	410
88-06-2	2,4,6-Trichlorophenol		U	410
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthalene		U	410
	2-Nitroaniline		U	1000
88-74-4	Acenaphthylene		U	410
208-96-8	Dimethylphthalate		U	410
131-11-3	2.6-Dinitrotoluene		U	410
606-20-2	Acenaphthene	69	J	410
83-32-9	3-Nitroaniline		U	1000
99-09-2	2,4-Dinitrophenol		U	1000
51-28-5	2,4-Dinitrophenoi Dibenzofuran	260	J	410
132-64-9			Ü	410
121-14-2	2,4-Dinitrotoluene		<u> <del></del> </u>	

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pH: 7.85

N

Benzo(a)pyrene

Indeno(1,2,3-cd)pyrene

n-Nitrosodimethylamine

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

GPC Cleanup: (Y/N)

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F	$\Delta$	SA	MP	1 F	NO.
	ᇊᄶ	OM	TA3L_		IVO.

Units: (ug/L or ug/Kg) UG/KG

Lab Name:	STL Ne	wburah	С	ontract:	TP-10A
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL		Lab Sample II	D: <u>237118-019</u>
Sample wt/vo	ol:	30.18 (g/ml) G		Lab File ID:	E72154.D
Level: (low/n	ned)	LOW		Date Receive	d: <u>6/9/2004</u>
% Moisture:	19	decanted:(Y/N)	N	Date Extracte	d: 6/18/2004
Concentrated	i Extract	Volume: 1000 (uL)		Date Analyzed	i: <u>6/22/2004</u>
Injection Volu	ıme: 2	.0 (uL)		Dilution Factor	r: 1.0

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	350	J	410
7005-72-3	4-Chlorophenyl-phenylether		U	410_
84-66-2	Diethylphthalate		U	410
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
004-02-1	4,0 Dillido Z modifiprioso.		11	440

86-30-6	n-Nitrosodiphenylamine (1)		U	<u> </u>
101-55-3	4-Bromophenyl-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachiorophenol		U	1000
85-01-8	Phenanthrene	950		410
120-12-7	Anthracene	240	J	410
84-74-2	Di-n-butylphthalate		U	410
206-44-0	Fluoranthene	280	J	410
129-00-0	Pyrene	320	J	410
85-68-7	Butylbenzylphthalate		U	410
91-94-1	3,3'-Dichlorobenzidine		U	410
56-55-3	Benzo(a)anthracene	97	J	410
218-01-9	Chrysene	150	J	410
117-81-7	bis(2-Ethylhexyl)phthalate	480		410
117-84-0	Di-n-octylphthalate	53	JJ	410
205-99-2	Benzo(b)fluoranthene	100	J 2	410
207-08-9	Benzo(k)fluoranthene		0.2	410
201-00-9	Delizo(N)lidoralitiforio	<del> </del>		440

50-32-8

193-39-5

62-75-9

53-70-3

191-24-2

410

410

410

410

410

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
TD 40A	

Lab Name:	STL Ne	wburgh		С	ontract:	
Lab Code:	10142	Cas	se No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/	water)	SOIL	_		Lab Sample ID	: 237118-019
Sample wt/vo	ol:	30.18	(g/ml) G		Lab File ID:	E72154.D
Level: (low/n	ned)	LOW	<del></del>		Date Received	: 6/9/2004
% Moisture:	19	deca	anted: (Y/N)	N	Date Extracted	6/18/2004
Concentrated	d Extract	 Volume: 1	000 (uL)		Date Analyzed	6/22/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanu			pH: 7.85			

## **CONCENTRATION UNITS:**

UG/KG (ug/L or ug/Kg) Number TICs found: 20

		DT	EST. CONC.	Q
CAS NUMBER	COMPOUND NAME	RT		ļ
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.31	19000	JN
2. 000100-41-4	Ethylbenzene	5.42	420	JN
3.	Unknown	7.84	240	J
4. 000576-26-1	Phenol, 2,6-dimethyl-	9.28	220	JN
5. 000088-69-7	Phenol, 2-(1-methylethyl)-	10.46	1800	JN_
6. 000618-45-1	Phenol, 3-(1-methylethyl)-	10.82	230	JN
7, 000090-12-0	Naphthalene, 1-methyl-	11.97	. 520	JN
8.	dimethyl Naphthalene isomer	13.06	210	J
9.	dimethyl Naphthalene isomer	13.21	250	J_
10.	Unknown	13.27	440	J
11.	dimethyl Naphthalene isomer	13.43	230	J
12. 000000-00-0	Decahydro-4,4,8,9,10-pentameth	13.68	430	JN
13. 000829-26-5	Naphthalene, 2,3,6-trimethyl-	14.40	220	JN
14.	Unknown	14.69	220	J
15. 000544-76-3	Hexadecane	14.89	510	JN
16.	Unknown CnH2n+2	15.34	490	J
17.	C15H18 isomer	15.79	760	J
18. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.89	2700	JN
19. 000629-59-4	Tetradecane	16.85	820	JN
20.	Unknown	23.73	1300	J

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12650 Tel (845) 562-0890 Fax (845) 562-0841

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMI	PLE	NO.
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TP-10ARE
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Lab Name:	STL Nev	wburgh		C	Contract:	
Lab Code:	10142	Ca	se No.:		SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL _	_		Lab Sample ID	: 237118-019RE
Sample wt/vo	ol:	30.18	(g/ml) G		Lab File ID:	E72173.D
Level: (low/n	ned)	LOW			Date Received	6/9/2004
% Moisture:	19	- de	canted:(Y/N)	N	Date Extracted	: 6/18/2004
Concentrated	i Extract '	Volume:	1000 (uL)		Date Analyzed	6/23/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 7.85	-	Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	410
108-95-2	Phenol	1300		410
95-57-8	2-Chlorophenol		U	410
541-73-1	1,3-Dichlorobenzene		U	410
106-46-7	1,4-Dichlorobenzene		U	410
95-50-1	1,2-Dichlorobenzene		U	410
100-51-6	Benzyl alcohol		U	410
108-60-1	2,2'-oxybis(1-Chloropropane)		U	410
95-48-7	2-Methylphenol	830		410
67-72-1	Hexachloroethane		U	410
621-64-7	N-Nitroso-di-n-propylamine		U	410
106-44-5	4-Methylphenol	1100		410
98-95-3	Nitrobenzene		U _	410
78-59-1	Isophorone		U	410
88-75-5	2-Nitrophenol		U	410
105-67-9	2,4-Dimethylphenol	740		410
111-91-1	bis(2-Chloroethoxy)methane		U	410
120-83-2	2,4-Dichlorophenol		U	410
120-82-1	1,2,4-Trichlorobenzene		U	410
91-20-3	Naphthalene	940		410
106-47-8	4-Chloroaniline		U	410
87-68-3	Hexachlorobutadiene		U	410
59-50-7	4-Chloro-3-methylphenol		U	410
91-57-6	2-Methylnaphthalene	850		410
77-47-4	Hexachlorocyclopentadiene		UR	410
88-06-2	2,4,6-Trichlorophenol		U '	410
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthalene		U	410
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene		U	410
131-11-3	Dimethylphthalate		U	410
606-20-2	2,6-Dinitrotoluene		U	410
83-32-9	Acenaphthene	70	J	410
99-09-2	3-Nitroaniline		U	1000
51-28-5	2,4-Dinitrophenol		U	1000
132-64-9	Dibenzofuran	260	J	410
121-14-2	2,4-Dinitrotoluene		U	410

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M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	DΛ	0.4	MPL	⊏	NO
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TP-10ARE

Lab Name:	STL Ne	wburgh			_ 0	ontract:	
Lab Code:	10142	c	ase No.:			SAS No.:	SDG No.: 237118
Matrix: (soil/v	vater)	SOIL	_			Lab Sample I	): 237118-019RE
Sample wt/vo	ol:	30.18	(g/ml)	G		Lab File ID:	E72173.D
Level: (low/n	ned)	LOW				Date Received	i: 6/9/2004
% Moisture:	19	d	ecanted:(Y	//N) _	N	Date Extracted	d: 6/18/2004
Concentrated	i Extract	Volume:	1000	(uL)		Date Analyzed	: 6/23/2004
Injection Volu	ıme: <u>2</u> .	0 (uL)				Dilution Factor	: 1.0
GPC Cleanur	o: (Y/N)	N	pH: <u>7.</u>	85		Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	320	J	410
7005-72-3	4-Chlorophenyl-phenylether		υ	410
84-66-2	Diethylphthalate		U	410
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
86-30-6	n-Nitrosodiphenylamine (1)		U	410
101-55-3	4-Bromophenyi-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachlorophenol		U	1000
85-01-8	Phenanthrene	950		410
120-12-7	Anthracene	210	J	410
84-74-2	Di-n-butylphthalate		U	<u>410</u>
206-44-0	Fluoranthene	280	J	410
129-00-0	Pyrene	400	J	410
85-68-7	Butylbenzylphthalate		U	410
91-94-1	3,3'-Dichlorobenzidine		U	410
56-55-3	Benzo(a)anthracene	110	J	410
218-01-9	Chrysene	130	J	410
117-81-7	bis(2-Ethylhexyl)phthalate	570		410
117-84-0	Di-n-octylphthalate	96	17	410
205-99-2	Benzo(b)fluoranthene	110	J 🗓	410
207-08-9	Benzo(k)fluoranthene		UJ	410
50-32-8	Benzo(a)pyrene	53	រូវី	410
193-39-5	Indeno(1,2,3-cd)pyrene		UJ	410
62-75-9	n-Nitrosodimethylamine		U 7	410
53-70-3	Dibenz(a,h)anthracene		υJ	410
191-24-2	Benzo(g,h,i)perylene		η <b>Σ</b>	410



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	

		LEMIATIVEL IDENTI		JOIVII GOMBO	TP-10ARE
Lab Name:	STL Nev	wburgh	Co	ontract:	
Lab Code:	10142	Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL		Lab Sample ID:	237118-019RE
Sample wt/vo		30.18 (g/ml) G		Lab File ID:	E72173.D
Level: (low/m		LOW		Date Received:	6/9/2004
% Moisture:	19	decanted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract '	Volume: 1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu				Dilution Factor:	1.0
GPC Cleanup		N pH: 7.85	-		

## CONCENTRATION UNITS:

Number TICs found:	18	(ug/L or ug/Kg)	UG/KG
Number HUS Idunu:	10	(49, = 0, 49, 1,9)	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.28	20000	JN
2.	Unknown	7.82	210	J
3.	dimethylphenol isomer	9.27	230	J
4.	methylethylphenol isomer	10.44	1900	J
5.	C9H12O isomer	10.81	270	J
6.	methylnaphthalene isomer	11.96	530	J
7.	dimethylnaphthalene isomer	13.04	. 200_	J
8.	dimethylnaphthalene isomer	13.18	260	J
9.	dimethylnaphthalene isomer	13.24	410	J
10.	Unknown CnH2n+2	13.41	200	J
11.	Decahydro-4,4,8,9,10-pentameth	13.65	420	JN
12.	trimethylnaphthalene isomer	14.38	210	J
13. 000544-76-3	Hexadecane	14.87	590	JN
14.	Unknown CnH2n+2	15.32	540	J
15.	C15H18 isomer	15.77	740	J
16.	Unknown CnH2n+2	15.87	2200	J_
17.	Unknown CnH2n+2	16.82	820	J
18.	Unknown	23.70	820	J

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NJDEP 73016

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
TP-3

Lab Name:	STL Nev	vburgh		c	ontract:	_
Lab Code:	10142	с	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL	_		Lab Sample ID:	237118-020
Sample wt/vo	ol:	30.34	(g/ml) G		Lab File ID:	E72167.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	<u>25.4</u>	de	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2.0	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 7.48	_	Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	440
108-95-2	Phenol	89	J	440
95-57-8	2-Chlorophenol		U	440
541-73-1	1,3-Dichlorobenzene		U	440_
106-46-7	1,4-Dichlorobenzene		U	440
95-50-1	1,2-Dichlorobenzene		U	440
100-51-6	Benzyl alcohol		U	440
108-60-1	2,2'-oxybis(1-Chloropropane)		U	440
95-48-7	2-Methylphenol	88	J	440
67-72-1	Hexachloroethane		U	440
621-64-7	N-Nitroso-di-n-propylamine		U	440
106-44-5	4-Methylphenol	180	J	440
98-95-3	Nitrobenzene		U	440
78-59-1	Isophorone		U	440
88-75-5	2-Nitrophenol		U	440
105-67-9	2,4-Dimethylphenol	74	J	440
111-91-1	bis(2-Chloroethoxy)methane		U	440
120-83-2	2.4-Dichlorophenol		U	440
120-82-1	1,2,4-Trichlorobenzene		U	440
91-20-3	Naphthalene	250	J	440
106-47-8	4-Chloroaniline		U	440
87-68-3	Hexachlorobutadiene		U	440
59-50-7	4-Chloro-3-methylphenol		U	440
91-57-6	2-Methylnaphthalene	250	J	440
77-47-4	Hexachlorocyclopentadiene		UR L	440
88-06-2	2,4,6-Trichlorophenol		U	440
95-95-4	2,4,5-Trichlorophenol		U	1100
91-58-7	2-Chloronaphthalene		U	440
88-74-4	2-Nitroaniline		U	1100
208-96-8	Acenaphthylene	75	J	440
131-11-3	Dimethylphthalate		U	440
606-20-2	2,6-Dinitrotoluene		U	440
83-32-9	Acenaphthene	190	J	440
99-09-2	3-Nitroaniline		U	1100
51-28-5	2,4-Dinitrophenol		U	1100
132-64-9	Dibenzofuran	200	J	440
121-14-2	2,4-Dinitrotoluene		U	440

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N
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TP-3		
SDG No.:	237118	

Lab Name:	STL Ne	wburgh		c	ontract:		_
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237118	_
Matrix: (soil/v	vater)	SOIL			Lab Sample	ID: 237118-020	
Sample wt/vo	ol:	30.34	— (g/ml) G		Lab File ID:	E72167.D	
Level: (low/n	ned)	LOW			Date Receive	/ed: 6/9/2004	
% Moisture:	25.4	d	ecanted:(Y/N)	N	Date Extract	ted: 6/18/2004	
Concentrated	Extract	Volume:	1000 (uL)		Date Analyze	ed: 6/23/2004	
Injection Volu					Dilution Fact	tor: 1.0	
GPC Cleanur		N	pH: 7.48		Units: (ug/L o	or ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1100
86-73-7	Fluorene	330	J	440
7005-72-3	4-Chlorophenyl-phenylether		U	440
84-66-2	Diethylphthalate		U	440
100-01-6	4-Nitroaniline		U	1100
534-52-1	4,6-Dinitro-2-methylphenol		U	1100
86-30-6	n-Nitrosodiphenylamine (1)		U	440
101-55-3	4-Bromophenyl-phenylether		U	440
118-74-1	Hexachlorobenzene		U	440
87-86-5	Pentachlorophenol		U	1100
85-01-8	Phenanthrene	1200	-	440
120-12-7	Anthracene	260	J	440
84-74-2	Di-n-butylphthalate		Ü	440
206-44-0	Fluoranthene	1400	<u> </u>	440
129-00-0	Pyrene	2700	力	440
85-68-7	Butylbenzylphthalate		UJ	440
91-94-1	3,3'-Dichlorobenzidine		UJ	440
56-55-3	Benzo(a)anthracene	620	<u> </u>	440
218-01-9	Chrysene	940	<u>J</u>	440
117-81-7	bis(2-Ethylhexyl)phthalate	1300		440
117-84-0	Di-n-octylphthalate		បរ	440
205-99-2	Benzo(b)fluoranthene	1200	3	440
207-08-9	Benzo(k)fluoranthene	470	J	440
50-32-8	Benzo(a)pyrene	770	2	440
193-39-5	Indeno(1,2,3-cd)pyrene	320	JJ	440
62-75-9	n-Nitrosodimethylamine		UT	<u>440</u>
53-70-3	Dibenz(a,h)anthracene	120	<u>J</u> J	440
191-24-2	Benzo(g,h,i)perylene	390	17	440

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

<b>EPA</b>	SAMPL	E NO
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					ITP-3
Lab Name:	STL Ne	wburgh	c	Contract:	
Lab Code:	10142	Case No.:	<del></del>	SAS No.: S	DG No.: 237118
Matrix: (soil/\	water)	SOIL		Lab Sample ID:	237118-020
Sample wt/ve	ol:	30.34 (g/ml) G		Lab File ID:	E72167.D
Level: (low/r	ned)	LOW		Date Received:	6/9/2004
% Moisture:	25.4	decanted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	d Extract	Volume: 1000 (uL)	-	Date Analyzed:	6/23/2004
Injection Volu	ume: 2.0	) (uL)		Dilution Factor:	1.0
GPC Cleanu		NpH: 7.48	_		•

#### **CONCENTRATION UNITS:**

Number TICs found:	19	(ug/L or ug/Kg)	UG/KG
LAGITIDOL LIGO TOURIGI	. •	( 0 0 0,	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.85	270	J
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.29	25000	JN
3.	C13H28 isomer	10.53	310	J
4.	C13H26 isomer	10.75	290	J
5.	Unknown CnH2n+2	11.27	270	J
6.	Unknown	12.78	180	J
7,	Unknown	13.24	590	J
8.	Unknown CnH2n+2	13.43	470	J
9.	Unknown	13.65	810	J
10.	Unknown	13.80	210	J
11.	Unknown	14.06	180	J
12.	C13H14 isomer	14.38	180	J
13.	Unknown Hydrocarbon	14.50	570	J
14.	Unknown	14.67	480	J
15.	Unknown Hydrocarbon	14.87	330	J
16.	Unknown CnH2n+2	15.33	690	J
17.	Unknown CnH2n+2	15.89	1300	J
18.	Unknown CnH2n+2	16.84	880	J
19. 86-74-8	Carbazole	17.42	140	JN

EPA NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	EPA	A SAMP	LE	NC
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TP-3RE	
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Lab Name:	STL Nev	vburgh		Co	ntract:	
Lab Code:	10142	c	Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237118-020RE
Sample wt/vo	ol:	30.34	(g/ml) G		Lab File ID:	E72198.D
Level: (low/n	ned)	LOW			Date Received:	6/9/2004
% Moisture:	25.4	d	ecanted:(Y/N)	N	Date Extracted:	6/18/2004
Concentrated	i Extract '	Volume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	_ pH: <u>7.48</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	440
108-95-2	Phenol	88	J	440
95-57-8	2-Chlorophenol		U	440
541-73-1	1.3-Dichlorobenzene		U	440
106-46-7	1,4-Dichlorobenzene		U	440
95-50-1	1,2-Dichlorobenzene		U	440
100-51-6	Benzyl alcohol		U	440
108-60-1	2,2'-oxybis(1-Chloropropane)		Ü	440
95-48-7	2-Methylphenol	91	j	440
67-72-1	Hexachloroethane		υ	440
621-64-7	N-Nitroso-di-n-propylamine		U	440
106-44-5	4-Methylphenol	170	J	440
98-95-3	Nitrobenzene		U	440
78-59-1	Isophorone		U	440
88-75-5	2-Nitrophenol		υ	440
105-67-9	2,4-Dimethylphenol	94	J	440
111-91-1	bis(2-Chioroethoxy)methane		U	440
120-83-2	2,4-Dichlorophenol		U	440
120-82-1	1,2,4-Trichlorobenzene		U	440
91-20-3	Naphthalene	250	J	440
106-47-8	4-Chloroaniline	4	J	440
87-68-3	Hexachlorobutadiene		U	440
59-50-7	4-Chloro-3-methylphenol	24	J	440
91-57-6	2-Methylnaphthalene	230	J	440
77-47-4	Hexachlorocyclopentadiene		UR	440
88-06-2	2,4,6-Trichlorophenol		U	440
95-95-4	2,4,5-Trichlorophenol		U	1100_
91-58-7	2-Chloronaphthalene		<u> </u>	440
88-74-4	2-Nitroaniline		U	1100
208-96-8	Acenaphthylene	74	J	440
131-11-3	Dimethylphthalate		U	440
606-20-2	2,6-Dinitrotoluene		U	440
83-32-9	Acenaphthene	190	J	440
99-09-2	3-Nitroaniline		U	1100
51-28-5	2,4-Dinitrophenol		U	1100
132-64-9	Dibenzofuran	200	J	440
121-14-2	2,4-Dinitrotoluene		U	440

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	<b>EPA</b>	SAMPI	LE	NO.
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Lab Name:	STL Nev	vburgh		Co	ntract:	
Lab Code:	10142	C	Case No.:		SAS No.: 5	SDG No.: 237118
Matrix: (soil/w	ater)	SOIL			Lab Sample ID:	237118-020RE
Sample wt/vo	•	30.34	(g/ml) G		Lab File ID:	E72198.D
Level: (low/m		LOW			Date Received:	6/9/2004
% Moisture:	25.4	d	lecanted:(Y/N)	N ·	Date Extracted:	6/18/2004
Concentrated	Extract \	 √olume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup		N	pH: <u>7.48</u>		Units: (ug/L or ι	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1100
86-73-7	Fluorene	320	J_	440
7005-72-3	4-Chlorophenyl-phenylether		U	440
84-66-2	Diethylphthalate		U	440
100-01-6	4-Nitroaniline		U	1100
534-52-1	4,6-Dinitro-2-methylphenol		U	1100
86-30-6	n-Nitrosodiphenylamine (1)		U	440
101-55-3	4-Bromophenyl-phenylether		U	440
118-74-1	Hexachlorobenzene		U	440
87-86-5	Pentachlorophenol		U	1100
85-01-8	Phenanthrene	1200		440
120-12-7	Anthracene	260	J	440
84-74-2	Di-n-butylphthalate		U	440
206-44-0	Fluoranthene	1200		440
129-00-0	Pyrene	2600	2	440
85-68-7	Butylbenzylphthalate	47	12	440
91-94-1	3,3'-Dichlorobenzidine		<u>U J</u>	440
56-55-3	Benzo(a)anthracene	630	7	440
218-01-9	Chrysene	960	2	440
117-81-7	bis(2-Ethylhexyl)phthalate	1300	2	440
117-84-0	Di-n-octylphthalate		U 3	440
205-99-2	Benzo(b)fluoranthene	1200		440
207-08-9	Benzo(k)fluoranthene	330	J 3	440
50-32-8	Benzo(a)pyrene	770		440
193-39-5	Indeno(1,2,3-cd)pyrene	380	13	440
62-75-9	n-Nitrosodimethylamine		UI	440
53-70-3	Dibenz(a,h)anthracene	150	J Z	440
191-24-2	Benzo(g,h,i)perylene	390	jβ	440

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# 1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TP-3RE	
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Lab Name:	STL Nev	vburgh		c	ontract:	_
Lab Code:	10142	(	Case No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	/ater)	SOIL			Lab Sample ID:	237118-020RE
Sample wt/vo	ol:	30.34	(g/ml) G	·	Lab File ID:	E72198.D
Level: (low/m	ned)	LOW			Date Received:	6/9/2004
% Moisture:	25.4	de	ecanted: (Y/N)	N	Date Extracted:	6/18/2004
Concentrated	Extract \	 √olume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: 2.0	(uL)			Dilution Factor:	1.0
GPC Cleanup	 o: (Y/N)	N	pH: 7.48			

# **CONCENTRATION UNITS:**

Number TICs found:	18	(ug/L or ug/Kg)	UG/KG
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CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.87	310	J
2. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.29	24000	JN
3.	dimethylundecane isomer	10.52	330	J
4. 054676-39-0	Cyclohexane, 2-butyl-1,1,3-trimet	10.72	310	JN
5.	Unknown	11.24	270	j
6.	C15H28 isomer	12.60	190	J
7.	C15H28 isomer	13.23	. 610	J
8,	Unknown CnH2n+2	13.40	490	J
9.	C15H28 isomer	13.64	850	J
10.	Unknown	13.77	230	J
11.	C15H28 isomer	14.04	180	J
12.	Unknown CnH2n+2	14.48	540	J
13.	Unknown	14.65	480	J
14.	Unknown CnH2n+2	14.84	310	J
15.	Unknown CnH2n+2	15.30	680	J
16. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	15.87	1300	JN
17. 074645-98-0	Dodecane, 2,7,10-trimethyl-	16.82	880	JN
18. 86-74-8	Carbazole	17.41	130	JN

PA 68-378

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

Job Number: 237118

PROJECT: COOPER 0310025p

ATTN: Mark Schumacher

Customer Sample ID: TP-5 Date Sampled..... 06/08/2004 Time Sampled....: 08:00 Sample Matrix...: Soil

Laboratory Sample ID: 237118-1 Date Received....: 06/09/2004 Time Received....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION % Moisture	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	ANALYZED TE
EPA 160.3	% Solids	19.5		0.10	%	06/10/04 ae
	% 30t 10s	80.5		0.10		1 1
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.1 2.1 2.1 2.1 2.1 2.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 21 21		41 4-1 21	ug/Kg ug/Kg ug/Kg	06/25/04   i jo

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NYSDOH 10142 NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378 M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-5
Date Sampled....: 06/08/2004
Time Sampled....: 08:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-1
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
EPA 160.3	% Moisture	19.5			0.10	%	<u> </u>	্বা
EPA 160.3	% Solids	80.5			0.10		06/10/04	1
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	20 20 20 20 20 20	טטטטט.	T E T	20 20 20 20 20 20 41 41	ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	 
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CTDOHS PH-0554

EPA NY049

M-NY049

PA 68-378

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025p

ATTN: Mark Schumacher

Customer Sample ID: TP-5 DL
Date Sampled....: 06/08/2004
Time Sampled....: 08:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-1
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD SW846 8082	PARAMETER/TEST DESCRIPTION PCB Analysis	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	Aroclor 1016*   Aroclor 1221*   Aroclor 1232*   Aroclor 1242*   Aroclor 1248*   Aroclor 1254*   Aroclor 1260*	. 410 410	D 2	410 410 410 410 410 820 820	ug/kg ug/kg ug/kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	am am am am
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STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

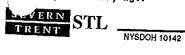
Customer Sample ID: TP-4
Date Sampled....: 06/08/2004
Time Sampled....: 08:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-2
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT   Q FLAGS	REPORTING LIMI	T UNITS	ANALYZED	,
EPA 160.3	% Moisture	27.7	0.10			1
EPA 160.3	% Solids	72.3		l	1	1
EPA 160.3 W846 8081A		27.7 72.3  2.3 2.3 2.3 2.3 2.3 2.3 2.3 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6	0.10 0.10 2.3 2.3 2.3 2.3 2.3 2.3 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 23 46 4.6 23 46 23	ug/Kg ug/Kg ug/Kg	06/10/04 06/10/04 06/10/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	a a lililililililililililililililililili

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Page 4
STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-4DL Date Sampled....: 06/08/2004 Time Sampled....: 08:45 Sample Matrix...: Soil

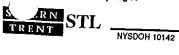
Laboratory Sample ID: 237118-2 Date Received.....: 06/09/2004

Time Received....: 15:40

EPA 160.3	PARAMETER/TES	I DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	ANALYZED
	% Moisture		27.7		0.10	%	06/10/04 2
EPA 160.3	% Solids		72.3		0.10	%	06/10/04 8
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*		23 23 23	E 2	23 23 23 23 23 23 45 45	ua/Ke	06/22/04 L 06/22/04 L 06/22/04 L 06/22/04 L 06/22/04 L 06/22/04 L 06/22/04 L
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 M-NY049

EPA NY049

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-4 Date Sampled....: 06/08/2004 Time Sampled....: 08:45 Sample Matrix...: Soil

Laboratory Sample ID: 237118-2
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED 1	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	230 230 230 230 230 230 460 440	ב כי כי	ว ₀ว	230 230 230 230 230 230 240 460	ug/Kg ug/Kg	06/25/04 L 06/25/04 L 06/25/04 L 06/25/04 L 06/25/04 L 06/25/04 L	lic lic lic lic
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STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-19 Date Sampled....: 06/08/2004
Time Sampled....: 09:20
Sample Matrix...: Soil

Laboratory Sample ID: 237118-3 Date Received....: 06/09/2004 Time Received....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION  % Moisture	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	36
EPA 160.3		20.8		0.10	%	06/10/04	
PA 100.3	% Solids	79.2		0.10	ł	1	1
	Orgenochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan I1* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.1 2.1		0.10 2.1 2.1 2.1 2.1 2.1 4.2 4.2 4.2 4.2 4.2 4.2 21 42 21 21	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	

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Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

Customer Sample ID: TP-19 Date Sampled....: 06/08/2004 Time Sampled....: 09:20 Sample Matrix....: Soil

Laboratory Sample ID: 237118-3 Date Received....: 06/09/2004 Time Received....: 15:40

EPA 160.3	% Moisture	 AMPLE RESULT		FLAGS	REPORTING LIMIT	UNITS	ANALYZED	1
EPA 160.3	% Solids	20.8			0.10	%	06/10/04	
		79.2			0.10	%	06/10/04	1
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	21 21 21 21 21 21 240 67	טטטטט	ت ت	21 21 21 21 21 21 42 42	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	ijijiji
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CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-19DL Date Sampled....: 06/08/2004 Time Sampled....: 09:20 Sample Matrix.... Soil

Laboratory Sample ID: 237118-3
Date Received.....: 06/09/2004
Time Received.....: 15:40

SW846 8082	PARAMETER/TEST DESCRI	SAM	LE RESULT	9	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	ΤE
	Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*		42 42 42	טטטט	ठ 0 <u>उ</u>	42 42 42 42 42 42 84 84	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	lj: lj: lj:
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CTDOHS PH-0554

EPA NY049

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-12 Date Sampled....: 06/08/2004
Time Sampled....: 09:45
Sample Matrix...: Soil

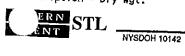
Laboratory Sample ID: 237118-4

Date	Received	06/09/200
Time	Received:	15:40

TEST METHOD EPA 160.3	PARAMETER/TEST DESCRIPTION % Moisture	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS.	ANALYZED	TEC
		23.4		0.10	%	06/10/04	
EPA 160.3	% Solids	76.6		0.10	%	06/10/04	1
	Organochlorine Pesticide Analysis alpha-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* echnical Chlordane*	0.90 2.2 2.2 2.2 2.2 2.2 2.2 4.3 4.3	באין ישטאוטים באיניאט	2.2 2.2 2.2 2.2 2.2 2.2 4.3 4.3 4.3 4.3 4.3 4.3 24 4.3	ug/Kg	06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 16/23/04 16/23/04 16/23/04 16/23/04 16/23/04 16/23/04 16/23/04 16/23/04 16/23/04	

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-12 Date Sampled....: 06/08/2004 Time Sampled....: 09:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-4
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QFLAGS	REPORTING LIMIT	UNITS	ANALYZED	
PA 160.3	% Moisture	23.4		0.10	%		1000
PA 160.3	% Solids	76.6		0.10	* *	06/10/04	1
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1250*	22 22 22	3 T T T T T T T T T T T T T T T T T T T	22 22 22 22 22 22 43 43	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	じじじじじ
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CTDOHS PH-0554

EPA NY049

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: IP-12**DL**Date Sampled....: 06/08/2004
Time Sampled....: 09:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-4 Date Received....: 06/09/2004 Time Received....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	Avarys	
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	43 43 43	U U U U	43 43 43 43 43 43 87 87	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	ljo ljo ljo ljo
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EPA NY049

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, ELC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-17 Date Sampled....: 06/08/2004
Time Sampled....: 10:30
Sample Matrix...: Soil

Laboratory Sample ID: 237118-5 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	REPORTING LIMIT	UNITS	ANALYZEI	) TE
	% Moisture	49.6	П	***********	0.10	%	06/10/04	4
EPA 160.3	% Solids	50.4		į	0.10		}	i
	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrsulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	3.3 3.3 3.3 14 3.3 3.3 3.3	יייייייייייייייייייייייייייייייייייייי	P 3	3.3 3.3 3.3 3.3 3.3 6.6 6.6 6.6 6.6 6.6	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890\* Fax (845) 562-0841 M-NY049

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-17 Date Sampled....: 06/08/2004
Time Sampled....: 10:30
Sample Matrix....: Soil

Laboratory Sample ID: 237118-5 Date Received....: 06/09/2004 Time Received....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS		313335
EPA 160.3	% Moisture	49.6	1	0.10		ANALYZED	0.0000
EPA 160.3	% Solids	50.4		]	%	06/10/04	i
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242*	32 L 32 L 32 L	ا از	0.10 32 32	% ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04	ljc lic
	Aroclor 1242* Aroclor 1254* Aroclor 1260*	32 32 360 84	15	32 32 32 65 65	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	lje lje lje lie

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NYSDOH 10142

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NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-17 DL Date Sampled....: 06/08/2004 Time Sampled....: 10:30 Sample Matrix...: Soil

Laboratory Sample ID: 237118-5 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED T
j	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	66 U 66 U 66 U 66 U 370		66 66 66 66 66 130 130	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 L 06/25/04 L 06/25/04 L 06/25/04 L 06/25/04 L 06/25/04 L 06/25/04 L
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NYSDOH 10142 NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

Job Number: 237118 Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-18
Date Sampled....: 06/08/2004
Time Sampled....: 11:10 Sample Matrix....: Soil

Laboratory Sample ID: 237118-6
Date Received.....: 06/09/2004
Time Received....: 15:40

In Description = Dry Wgt.

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NJDEP 73015

CTDOHS PH-0554

EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-18
Date Sampled....: 06/08/2004
Time Sampled....: 11:10 Sample Matrix....: Soil

Laboratory Sample ID: 237118-6

Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD EPA 160.3	PARAMETER/IEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	1
	% Moisture	54.1			0.10	%	06/10/04	
EPA 160.3	% Solids	45.9			0.10	*	06/10/04	
i	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	36 36 36 36 36 930 350	U	ت <u>ت</u> ح	36 36 36 36 36 72 72	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	
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Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-18 DL Date Sampled....: 06/08/2004 Time Sampled....: 11:10 Sample Matrix....: Soil

Laboratory Sample ID: 237118-6 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT		1	<b>1</b>
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	360 360 360 360 360 3200 560	טטט	っ っ っ っ っ	360 360 360 360 360 730 730	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	lje lje lje
Description - D								

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-16
Date Sampled....: 06/08/2004
Time Sampled....: 12:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-7
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECL
EPA 160.3	% Moisture	21.2			0.10	%	06/10/04	
EPA 160.3	% Solids	78.8			0.10	%	06/10/04	1
	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan Sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.1 2.1 2.1 4.2 4.2 4.2 4.2 4.2 4.2 4.2 4.2			2.1 2.1 2.1 2.1 2.1 2.1 4.2 4.2 4.2 4.2 4.2 4.2 21 4.2 21	ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	lje e

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EPA NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 PA 68-378 M-NY049

4.54

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-16 Date Sampled....: 06/08/2004
Time Sampled....: 12:45
Sample Matrix....: Soil

Laboratory Sample ID: 237118-7 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FL	AGS	REPORTING LIMI	T UNITS		<b></b>
EPA 160.3	% Moisture	21.2			0.10	×		
EPA 160.3	% Solids	78.8				%	06/10/0	-
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242*	21 21 21	טטט		0.10 21 21 21	ug/Kg ug/Kg ug/Kg	06/22/04	i jc
	Aroclor 1248* Aroclor 1254* Aroclor 1260*	21 100	U		21 21 42 42	ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	ljc ljc
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CTDOHS PH-0554

NJDEP 73015

EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-13
Date Sampled....: 06/08/2004 Time Sampled....: 13:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-8 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	ANALYSES	
	% Moisture	49.6					
EPA 160.3	% Solids	50.4					ľ
	% Moisture % Solids  Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* echnical Chlordane*			0.10 0.10 3.3 3.3 3.3 3.3 3.3 6.6 6.6 6.6	%  ug/Kg	ANALYZED  06/10/04  06/10/04  06/10/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04  06/25/04	ae e constituinte e e e constituinte e e e constituinte e e e e e e e e e e e e e e e e e e
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n Description = Dry Wgt.

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EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-13 Date Sampled....: 06/08/2004 Time Sampled....: 13:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-8
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT		FLAGS	REPORTING LIMI	T UNIT:	S	ANALYZED	TEC	H
EPA 160.3	% Moisture	49.6			0.10	7		06/10/04		
EPA 160.3	% Solids	50.4			0.10	%	- 1	06/10/04	i	
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	1'	1	Z <sub>EP</sub> .Z	33 33 33 33 33 66 66	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	0000	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	lje lje lje lje	
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In Description = Dry Wgt.

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NYSDOH 10142 NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

STL Newburgh 315 Fullerton Avenue 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-13 DL Date Sampled....: 06/08/2004
Time Sampled....: 13:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-8
Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS		
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	66 66 66 66	UU	3	66 66 66 66 66 130 130	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	i i i i i i i i i i i i i i i i i i i

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EPA NY049 PA 68-378 M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-14 Date Sampled....: 06/08/2004
Time Sampled....: 14:15
Sample Matrix....: Soil

Laboratory Sample ID: 237118-9
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT			×	0000000	
EPA 160.3	% Moisture		HI PLA	GS REPORTING LIMIT	UNITS	ANALYZE	) TE
EPA 160.3	% Solids	35.1		0.10	1 %	06/10/04	ae
		. 64.9		0.10	%	06/10/04	ae
	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.6 5.1 32 5.1 5.1 5.1 5.1 5.1 26	ב בכבככבנ כבנ כננ	2.6 2.6 2.6 2.6 2.6 2.6 2.6 5.1 5.1 5.1 5.1 5.1 5.1 26	ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	

n Procription = Dry Wgt.

NYSDOH 10142

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NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-14 Date Sampled....: 06/08/2004 Time Sampled....: 14:15 Sample Matrix...: Soil

Laboratory Sample ID: 237118-9
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD EPA 160.3	PARAMETER/TEST DESCRIPTION % Moisture	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	Ti
		35.1		0.10	%	06/10/04	<u>   886</u>
A 100.3	% Solids	64.9		0.10	%	06/10/04	1
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1260*	25 25 25 25 25 25 25 680 210	בֿן	25 25 25 25 25 25 51 51	ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	j   j   j   j   j   j   j   j   j   j
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Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-14DL
Date Sampled..... 06/08/2004
Time Sampled..... 14:15
Sample Matrix..... Soil

Laboratory Sample ID: 237118-9
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	o	FLAGS	REPORTING LIMIT	UNITS	A11A1-V	
W846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1250*	260 260 260 260 260 270 290	ר ממממת	2 2 2	260 260 260 260 260 260 510 510	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	() () () () ()
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Job Number: 237118 Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-15 Date Sampled....: 06/08/2004 Time Sampled....: 14:55 Sample Matrix.... Soil

Laboratory Sample ID: 237118-10
Date Received.....: 06/09/2004
Time Received.....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	10	FLAGS	REPORTING LIMIT	UNIT	S ANALY	ZED	ΤE
	% Moisture	48.7	Π		0.10	%	06/10	******	*
PA 160.3	% Solids	51.3			0.10	<b> </b> %		- 1	
	Organochiorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDI* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	3.2 3.2 3.2 36 3.2 3.2 3.2 6.5		b2	3.2 3.2 3.2 3.2 3.2 6.5 6.5 6.5 6.5 6.5 6.5 32 65 6.5	% ug/Kg	06/23/ 06/23/ 06/23/	04	

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PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-15 Date Sampled....: 06/08/2004 Time Sampled....: 14:55 Sample Matrix...: Soil

Laboratory Sample ID: 237118-10 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RESUL	T Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	1
	% Moisture	48.7		0.10	%	06/10/04	S   800
EPA 160.3	% Solids	51.3		0.10	%	06/10/04	1
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1250*	32 32 32 32 32 32 620 150	7 4454 E	32 32 32 32 32 32 64 64	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	lje lje lje
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CTDOHS PH-0554

EPA NY049

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-15 L Date Sampled....: 06/08/2004 Time Sampled....: 14:55 Sample Matrix...: Soil

Laboratory Sample ID: 237118-10
Date Received.....: 06/09/2004
Time Received.....: 15:40

SW846 8082	PARAMETER/TEST DESCR	TELLON	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*		320 320 320 320 320 320 700 200	נ ממהחת	J D J	320 320 320 320 320 320 650 650	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	lj lj lj lj

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STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

Customer Sample ID: TP-2 Date Sampled....: 06/07/2004 Time Sampled....: 09:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-11 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAI	S REPORTING LIMI	T UNITS	ANALYZED	TECH
	% Moisture	23.7 0.10 % 06/10/04 ae 76.3 0.10 % 06/10/04 ae					
EPA 160.3	% Solids	76.3	0.10 % 06/10/04 ae  0.10 % 06/10/04 ae  0.10 % 06/10/04 ae  0.10 % 06/25/04 ljc ug/kg 06/25/04 ljc	1			
	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* deita-BHC* deita-BHC* (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.2 2.2 0.80 2.2 0.2 2.2 2.2 4.4 4.4 4.4 4.4 0 4.4 0 4.4 0 4.4 0 4.4 0 4.4 0 4.4	P	2.2 2.2 2.2 2.2 2.2 2.2 4.4 4.4 4.4 4.4	ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	lje lje lje lje lje lje je je je
Description - p				i	1	1	1

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EPA NY049



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-2
Date Sampled....: 06/07/2004
Time Sampled....: 09:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-11
Date Received.....: 06/09/2004
Time Received.....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
	% Moisture	23.7		0.10	%	06/10/04	- 2
EPA 160.3	% Solids	76.3	:	0.10	×	06/10/04	1
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1256*	21 U 21 U 21 U 21 U 21 U 42 U 42 U	5	21 21 21 21 21 21 42 42	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	1 [ [ ]

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Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025p

ATTN: Mark Schumacher

Customer Sample ID: TP-1
Date Sampled....: 06/07/2004
Time Sampled....: 09:52
Sample Matrix...: Soil

Laboratory Sample ID: 237118-12
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZE	
EPA 160.3	% Moisture	25.2			0.10		····	<b>*</b>
EPA 160.3	% Solids	74.8				%	06/10/0	- 1
		14.0			0.10	%	06/10/0	4 a
√846 8081A	Organochlorine Pesticide Analysis			j				
	beta-BHC*	2.2	U		2.2	ug/Kg	06/23/04	1
	delta-BHC* gamma-BHC (Lindane)*	2.2 2.2	U	- 1	2.2 2.2	ug/Kg	06/23/04	i
	Heptachlor*	2.2	U		2.2	ug/Kg ug/Kg	06/23/04 06/23/04	<u>ا</u> !.
	Aldrin*   Heptachlor epoxide*	2.2	U		2.2 2.2	ug/Kg	06/23/04	İι
	Endosulfan   1*	2.2	u	- 1	2.2	ug/Kg ug/Kg	06/23/04 06/23/04	
	Dieldrin*   4.4'-DDE*	32	u	P 3	4.4	ug/Kg	106/23/04	Нi
	Endrin*		ו		4.4	ug/Kg ug/Kg	06/23/04 06/23/04	Į Į į
	Endosulfan II* 4,4'-DDD*	4.4			4.4	ug/Kg	06/23/04	Li
	Endosulfan sulfate*	4.4 L			4.4	ug/Kg ug/Kg	06/23/04 06/23/04	
	4,4'-DDT* Methoxychlor*	4.4 lu	ή		4.4	ug/Kg	06/23/04	Li
!	Toxaphene*	22 U 45 U			22	ug/Kg ug/Kg	06/23/04 06/23/04	t je Lie
	Endrin aldehyde* Technical Chlordane*	4.4 Ü			45 4.4	ug/Kg ug/Kg	06/23/04	Lic
		22 U			22	ug/Kg	06/23/04   06/23/04	ljo Lic
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EPA NY049



LABORATORY RESULTS TEST

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-1
Date Sampled....: 06/07/2004
Time Sampled....: 09:52
Sample Matrix...: Soil

Laboratory Sample 10: 237118-12 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
EPA 160.3	% Moisture	25.2		0.10	%	06/10/04	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
PA 160.3	% Solids	74.8		0.10	%	06/10/04	1
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1256*	21 U 21 U 21 U 21 U 21 U 21 U 720	2 E 7 D 7	21 21 21 21 21 43 43	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	ljo ljo ljo
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NYSDOH 10142 NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378 M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-1 DL Date Sampled....: 06/07/2004 Time Sampled....: 09:52 Sample Matrix...: Soil

Laboratory Sample ID: 237118-12
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD SW846 8082	PARAMETER/TEST DESCR	IPTION	SAMPLE RESULT	o	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	, I
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1256* Aroclor 1260*		220 220 220 220 220 220 970 250	ר המממת	مه <b>م</b>	220 220 220 220 220 220 440 440	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	11111
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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

14. 14.

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-8 Date Sampled....: 06/07/2004 Time Sampled....: 10:30 Sample Matrix.... Soil

Laboratory Sample ID: 237118-13 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	STINU	ANALYZED	TECU
	% Moisture	29.9		0.10	%	06/10/04	***************************************
EPA 160.3	% Solids	70.1			1		l
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC (Lindane)* deptachlor* Aldrin* deptachlor epoxide* indosulfan I* bieldrin* ,4'-DDE* ndosulfan II* ,4'-DDD* rdosulfan sulfate* ,4'-DDT* ethoxychlor* exaphene* boxaphene* boxaphcal Chlordane*	2.4 2.4 2.4 2.4 2.4		0.10 2.4 2.4 2.4 2.4 2.4 2.4 4.7 4.7 4.7 4.7 4.7 24 48 4.7 24	ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg ug/kg	06/10/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	ljeeljee ljeeljee ljeeljee ljeejee

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-8

Date Sampled....: 06/07/2004
Time Sampled....: 10:30
Sample Matrix...: Soil

Laboratory Sample ID: 237118-13
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMI	¥			
EPA 160.3	% Moisture	29.9							
EPA 160.3	% Solids	70.1			0.10	%	06/10	/04	ae
		70.1			0.10	1 %	06/10	/04	ae
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1254* Aroclor 1254* Aroclor 1260*	23 23 23 23 23	טטטט	ว รู้ว	23 23 23 23 23 24 46 46	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22 06/22	/04   /04   /04   /04   /04	lje lje lje je
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In Description = Dry Wgt.

Page 25 STL Newburgh is a part of Severn Trent Laboratories, Inc.



NYSDOH 10142 NJDEP 73015

CTDOHS PH-0554

EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-8 DL Date Sampled....: 06/07/2004 Time Sampled....: 10:30 Sample Matrix....: Soil

Laboratory Sample ID: 237118-13
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD SW846 8082	PARAMETER/TES	T DESCRIPTION	SAMPLE RESULT	Q F	LAGS	REPORTING LIMIT	UNITS	ANALYZED	Ŧ
NO40 0002	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*		240 240 240 240 240 240 960 330	U	7 p <del>7</del> pp J	240 240 240 240 240 240 470 470	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	lj lj lj lj
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1 Description = Dry Wgt.

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CTDOHS PH-0554 EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-7 Date Sampled....: 06/07/2004
Time Sampled....: 11:15
Sample Matrix...: Soil

Laboratory Sample ID: 237118-14
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLA	GS REPORTING LIMIT	UNITS	ANALYZED	) JEC
EPA 160.3	% Moisture	12.7		0.10	%	06/10/04	
EPA 160.3	% Solids	87.3		0.10	1 %	1	l l
1 E 4 M T E	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Gendosulfan sulfate* 4,4'-DDT* Methoxychlor* oxaphene* indrin aldehyde* echnical Chlordane*	1.9 1.9 1.9 1.9 1.9 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8		1.9 1.9 1.9 1.9 1.9 3.8 3.8 3.8 3.8 3.8 3.8 19	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	licica i i i i i i i i i i i i i i i i i

n Description = Dry Wgt.

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STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-7 Date Sampled....: 06/07/2004 Time Sampled....: 11:15 Sample Matrix....: Soil

Laboratory Sample ID: 237118-14 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
	% Moisture	12.7		0.10	%		100.0
EPA 160.3	% Solids	87.3		0.10	%	06/10/04	1
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	45	पुर्वं प	19 19 19 19 19 19 38 38	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	lje lje lje
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ription = Dry Wgt.

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EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-6 Date Sampled....: 06/07/2004
Time Sampled....: 12:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-15 Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZEI	TECH
EPA 160.3	% Moisture	18.9		0.10	*	06/10/04	
EPA 160.3	% Solids	81.1		0.10	,	06/10/04	1
	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.0 2.0 2.0 2.0 2.0 2.0 4.1 4.1 4.1 4.1 4.1 4.1 21 4.1 21	מאחאחחחחחחחחחחחחחחחחחחחחחחחחחחחחחחחחחחח	2.0 2.0 2.0 2.0 2.0 4.1 4.1 4.1 4.1 4.1 4.1 21 21	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e lje e

In Description = Dry Wgt.

NYSDOH 10142

Page 17
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NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-6
Date Sampled.....: 06/07/2004 Time Sampled....: 12:45 Sample Matrix...: Soil

Laboratory Sample ID: 237118-15 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT		FLAGS	REPORTING LIMIT	UNITS	ANACYSES	
EPA 160.3	% Moisture	18.9			0.10	%	ANALYZED	4 300
EPA 160.3	% Solids	81.1					06/10/04	1
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1256*	20 20 20 20 20 20 40	חחחחחח	τ	0.10 20 20 20 20 20 40 40	% ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	lj. ij. lj.
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n Description = Dry Wgt.

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STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-9
Date Sampled....: 06/07/2004
Time Sampled....: 13:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-16
Date Received.....: 06/09/2004
Time Received.....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION % Moisture	SAMPLE RESULT (	FLAGS	REPORTING LIMIT	UNITS	ANALYZED T
EPA 160.3		18.1		0.10	%	06/10/04 a
LFX 100.5	% Solids	81.9		0.10	<b>*</b>	1 1
W846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.0 2.0 2.0 2.3 2.0 3.8 4.1 4.1 4.1 4.1 4.1 4.1 20 41 4.1 20		0.10 2.0 2.0 2.0 2.0 2.0 4.1 4.1 4.1 4.1 4.1 4.1 20 41 4.1 20	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04   1 06/25/04   1 06/25

In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-9
Date Sampled....: 06/07/2004
Time Sampled....: 13:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-16
Date Received.....: 06/09/2004
Time Received.....: 15:40

	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	, e
EPA 160.3	% Moisture	18.1		0.10	%	06/10/04	****
EPA 160.3	% Solids	81.9		0.10	%	ł	i
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	20 20 20 20 20 85	h h	20 20 20 20 20 20 40 40	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	ljo ljo ljo
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Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-11
Date Sampled.....: 06/07/2004 Time Sampled...: 14:50 Sample Matrix...: Soil

Laboratory Sample ID: 237118-17
Date Received.....: 06/09/2004
Time Received.....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	REPORTING LIMIT	UNITS	ANALYZE	0 7
	% Moisture	22.4	$\prod$		0.10	%	06/10/04	×   ×
EPA 160.3	% Solids	77.6			]		- 1	1
:	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* Endosulfan II* 4,4'-DDE* Endrin* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.1 2.1 2.1 2.1 2.1 2.1	]	7	0.10 2.1 2.1 2.1 2.1 2.1 2.1 2.1 4.3 4.3 4.3 4.3 4.3 4.3 21 43 43 21	%  ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	

n Parcription = Dry Wgt.

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Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-11 Date Sampled....: 06/07/2004 Time Sampled....: 14:50 Sample Matrix.... Soil

Laboratory Sample ID: 237118-17 Date Received....: 06/09/2004 Time Received....: 15:40

	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QFLAGS	REPORTING LIMIT	UNITS	ANALYZED	
EPA 160.3	% Moisture	. 22.4		0.10			- 000
PA 160.3	% Solids	77.6		<b>!</b>	%	06/10/04	i
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	21 U 21 U 21 U 21 U 21 U 21 U 42 U	1	0.10 21 21 21 21 21 42 42	% ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	[j] [j]
						06/22/04	
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n Description = Dry Wgt.

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10 Date Sampled....: 06/07/2004 Time Sampled....: 16:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-18
Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST MET	WONTHEN JEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZI	- N
		18.4			0.10	%		
EPA 160.3	% Solids	81.6			0.10		06/10/0	- [
846 8081	A 0-				0.10	%	06/10/0	)4   a
4040 0001	A Organochlorine Pesticide Analysis alpha-BHC*							
	beta-BHC*	2.0	U		2.0	ug/Kg	06/23/0	ړا,
	delta-BHC*   gamma-BHC (Lindane)*	2.0	11		2.0 2.0	ug/Kg	06/23/0	4   L
	Heptachlor*	2.0	U		2.0	ug/Kg ug/Kg	06/23/04 06/23/04	4
	Aldrin*  Heptachlor epoxide*	2.0	Ü	- 1	2.0	ug/Kg	06/23/04	şįξ
	Endosulfan I*	2.0	U	1	2.0	ug/Kg ug/Kg	06/23/04 06/23/04	ili
	Dieldrin*  4,4'-DDE*		ט ט	- 1	4.1	ug/Kg	06/23/04	ı
	Endrin*	4.1	Ū		4.1	ug/Kg ug/Kg	06/23/04 06/23/04	Į.
	Endosulfan II* 4,4'-DDD*	4.1 L	]		4.1	ug/Kg	106/23/04	Ш
	Endosulfan sulfate*	4.1	i	1	4.1	ug/Kg ug/Kg	06/23/04 06/23/04	Ш
	4,4'-DDT* Methoxychlor*	4-1 U 4-1 U			4.1 4.1	ug/Kg	06/23/04	lii
	Toxaphene*	20 U			20	ug/Kg ug/Kg	06/23/04 06/23/04	Ιli
	Endrin aldehyde* Technical Chlordane*	41 U 4.1 U			41 4.1	ug/Kg	06/23/04	Li
		20 U			20	ug/Kg ug/Kg	06/23/04 06/23/04	ij
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CTDOHS PH-0554

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10
Date Sampled....: 06/07/2004
Time Sampled....: 16:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-18 Date Received....: 06/09/2004 Time Received....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION	SAMPLE RES	SULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZEC	N.
	% Hoisture	18.4			0.10		<u></u>	8 BX
EPA 160.3	% Solids	81.6			}	%	06/10/04	ı
SW846 8082	PCB Analysis Aroclor 1016*				0.10	%	06/10/04	a
	Aroclor 1221* Aroclor 1232* Aroclor 1242*	20 · 20 20	บ บ บ		20 20 20	ug/Kg ug/Kg	06/22/04 06/22/04	H
	Aroclor 1248* Aroclor 1254*	20 20	U	3	20 20	ug/Kg ug/Kg	06/22/04 06/22/04	11
	Aroctor 1260*	41 150	1	丁	41	ug/Kg ug/Kg	06/22/04 06/22/04	l i
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NYSDOH 10142

CTDOHS PH-0554

EPA NY049

PA 68-378 M-NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10A Date Sampled....: 06/07/2004
Time Sampled....: 16:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-19 Date Received.....: 06/09/2004 Time Received.....: 15:40

EPA 160.3	PARAMETER/TEST DESCRIPTION % Moisture	SAMPLE RESULT C	FLAGS	REPORTING LIMIT	UNITS	ANALYZED T
EPA 160.3	% Solids	19.0		0.10	%	06/10/04 as
100.5	% sortids	81.0		0.10	<b> </b> %	06/10/04 ac
	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,41-DDE* Endrin* Endosulfan II* 4,41-DDD* Endosulfan sulfate* 4,41-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.0 2.0 10 2.0 2.0 2.0 4.1 4.1 4.1 4.1 4.1 4.1 21 4.1 21 21	<b>7</b>	2.0 2.0 2.0 2.0 2.0 4.1 4.1 4.1 4.1 4.1 21	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04   ij 06/25/04    Description = Dry Wgt.

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CTDOHS PH-0554

EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10A
Date Sampled....: 06/07/2004
Time Sampled....: 16:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-19
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	S REPORTING LIMIT	UNITS	AUAEVAE	
EPA 160.3	% Moisture	19.0				ANALYZED	
EPA 160.3	% Solids	81.0		0.10	%	06/10/04	j .
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	20 20 20 20 20 20 0 40 330	J	0.10 20 20 20 20 20 20 40 40	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/10/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	lje lje lje lje lje
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n Description = Dry Wgt.

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NYSDOH 10142 NJDEP 73015

CTDOHS PH-0554

EPA NY049

Job Number: 237118

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10A
Date Sampled....: 06/07/2004
Time Sampled....: 16:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-19
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD SW846 8082	PARAMETER/TEST PCB Analysis	nesert HTUN	SAMPLE	RESULT	9	FLAGS	REPORTING L	THIT	UNITS	ANALYZEC	) TE
	Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*		2	00 00 00 00 00	טטטטטט	J D J	200 200 200 200 200 200 400 400		ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	ns ns ms ms
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n Description = Dry Wgt.

Page 7
STL Newburgh is a part of Severn Trent Laboratories, Inc.



CTDOHS PH-0554

EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-3 Date Sampled....: 06/07/2004
Time Sampled....: 16:35
Sample Matrix...: Soil

Laboratory Sample ID: 237118-20 Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	AUALV	<b>.</b>
EPA 160.3	% Moisture	25.4				ANALYZEC	<u> </u>
EPA 160.3	% Solids	1		0.10	%	06/10/04	a
		74.6		0.10	%	06/10/04	a
4846 8081A	Organochlorine Pesticide Analysis				!	-	
	alpha-BHC*	2.2	,]				
	delta-BHC*	2.2	,	2.2 2.2	ug/Kg ug/Kg	06/23/04	ļi,
	gamma-BHC (Lindane)*	2.2 U	ا ــا	2.2	ug/kg ⊔g/Kg	06/23/04 06/23/04	1
	Heptachlor*  Aldrin*	2.2 U	₽3	2.2	ug/Kg	106/23/04	H
	Heptachlor epoxide*	2.2 U		2.2 2.2	ug/Kg ug/Kg	06/23/04	U
	Endosulfan I*	2.2 U 4.5 U		2.2	ug/kg ug/Kg	06/23/04 06/23/04	ļj
	Dieldrin*   4,4'-DDE*	4.5 U 4.5 U		4.5	ug/Kg	106/23/04]	l i
	Endrin*	4.5 U		4.5 4.5	ug/Kg	06/23/04	l i
	Endosulfan II*	4.5 U		4.5	ug/Kg ug/Kg	06/23/04 06/23/04	ij
	4,4'-DDD* Endosulfan sulfate*	4.5 U		4.5	ug/Kg	06/23/04 1	ijŧ
	4,4'-DDT*	4.5 Jul		4.5 4.5	ug/Kg	106/23/0411	Lia
j	Methoxychlor*	4.5 22		4.5	ug/Kg ug/Kg	06/23/04 L 06/23/04 L	j
Į.	Toxaphene* Endrin aldehyde*	45 U		22	ug/Kg	06/23/04 [	Ìε
	Technical Chlordane*	4.5 U	-	45 4.5	ug/Kg	06/23/04 1	ic
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n D^~^ription = Dry Wgt.

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CTDOHS PH-0554 EPA NY049

Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025p

ATTN: Mark Schumacher

Customer Sample ID: TP-3
Date Sampled.....: 06/07/2004
Time Sampled.....: 16:35
Sample Matrix....: Soil

Laboratory Sample ID: 237118-20 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLA	SS REPORTING LIMIT	UNITS	ANALYZED	
PA 160.3	% Moisture	25.4		0.10	%	06/10/04	× ×
PA 160.3	% Solids	74.6		0.10	*	06/10/04	1
	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1250*	22 22 22 22 22 22 22 530 130	7	22 22 22 22 22	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	1 1 1 1
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In Poscription = Dry Wgt.

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EPA NY049



Job Number: 237118

Date: 06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-3 Date Sampled....: 06/07/2004
Time Sampled....: 16:35
Sample Matrix...: Soil

Laboratory Sample ID: 237118-20 Date Received....: 06/09/2004 Time Received....: 15:40

TEST METHOD SW846 8082	PCB Analysis	OT DESCRIPTION	SAMPLE RES	ULT	FLAGS	REPORTING LIM	IT UNITS	ANALYZED	ΤE
	Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*		220 220 220 220 220 220 540 180	ָ ער פּיניים ער פּיניים	3	220 220 220 220 220 220 450 450	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	(j (j (j)
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NYSDOH 10142 NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-5
Date Sampled....: 06/08/2004
Time Sampled....: 08:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-1
Date Received...... 06/09/2004
Time Received...... 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QF	LAGS	EDL	RL	DILUTION	UNITS	рτ	DATE	TECH
SW846 7740	Selenium (Se)*	0.48	В		0.29	1.1	1	mg/Kg		06/17/04	mwh
SW846 7471A	Mercury (Hg)*	0.056	U		0.056	0.056	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	3.8 58.5 0.47 0.096 24.4 2.7 30.0 17500 36.8 15.5 0.45 8.1	B U B U B	* T N T N R	0.65 0.096 0.096 0.096 0.17 0.76 0.79 4.5 0.26 0.62 0.45 0.79 0.45	2.4 47.8 1.2 1.2 2.4 12.0 6.0 23.9 1.2 9.6 2.4 12.0 4.8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-4

Date Sampled....: 06/08/2004

Time Sampled....: 08:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-2
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q I	FLAGS	IDL	RL	DILUTION	UNITS	рτ	DATE	TECH
SW846 7740	Selenium (Se)*	0.37	U		0.37	1.4	1	mg/Kg	000000	06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.084			0.069	0.069	1	mg/Kg		06/15/04	lms
SW846 60108	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	2.3 67.0 1.0 3.9 101 3.4 215 30500 80.8 28.2 0.55 14.4 469	B B B	* T D T R	0.78 0.12 0.12 0.12 0.20 0.92 0.95 5.4 0.32 0.75 0.55 0.95 0.55	2-9 57-7 1-4 1-4 2-9 14-4 7-2 28.8 1-4 11-5 2-9 14-4 5-8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-19
Date Sampled....: 06/08/2004
Time Sampled....: 09:20
Sample Matrix....: Soil

Laboratory Sample ID: 237118-3
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.43	В		0.32	1.2	1	mg/Kg		06/18/04	ภาผh
SW846 7471A	Mercury (Hg)*	0.11			0.063	0.063	1	mg/Kg		06/15/04	lms
SW846 60108	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	8.2 57.5 0.47 19.0 57.5 5.0 1980 23900 151 19.7 0.49 18.0 526	8 B U	* 5 5 7 N R N R N R	0.70 0.10 0.10 0.10 0.18 0.82 0.85 4.9 0.28 0.67 0.49 0.85 0.49	2.6 51.5 1.3 2.6 12.9 6.4 25.8 1.3 10.3 2.6 12.9 5.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	maih mad maih maih maih maih maih maih maih

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LEC

Date:06/28/2004

Job Number: 237118

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-12 Date Sampled....: 06/08/2004 Time Sampled....: 09:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-4
Date Received.....: 06/09/2004 Time Received..... 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	1.0	В		0.32	1.2	1	mg/Kg	****	06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.24			0.062	0.062	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	7.8 88.1 0.32 8.2 34.4 3.9 255 27400 76.8 20.5 0.51 11.3 278	B B UB	* D D D N	0.72 0.11 0.11 0.11 0.19 0.85 0.88 5.0 0.29 0.69 0.51 0.88 0.51	2.7 53.3 1.3 1.3 2.7 13.3 6.7 26.7 1.3 10.7 2.7 13.3 5.3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237118

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Date:06/28/2004

Customer Sample ID: TP-17
Date Sampled.....: 06/08/2004
Time Sampled.....: 10:30
Sample Matrix....: Soil

Laboratory Sample ID: 237118-5
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	рτ	DATE	TECH
SW846 7740	Selenium (Se)*	1.7	В		0.50	1.9	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	1.1			0.099	0.099	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Sīlver (Ag)* Vanadium (V)* Zinc (Zn)*	8.8 166 0.64 46.8 34.8 6.9 113 26100 43.0 29.5 0.71 20.1 920	ВВ	* T T * R R R	1.0 0.15 0.15 0.26 1.2 1.2 7.1 0.41 0.97 0.71 1.2	3.7 74.9 1.9 1.9 3.7 18.7 9.4 37.4 1.9 15.0 3.7 18.7 7.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: TP-18
Date Sampled.....: 06/08/2004
Time Sampled.....: 11:10
Sample Matrix....: Soil

Laboratory Sample ID: 237118-6
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST: DESCRIPTION	SAMPLE RESULT	Q FLAG	S IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.73	В	0.57	2.2	1	mg/Kg		06/18/04	m⊮h
SW846 7471A	Mercury (Hg)*	0.46		0.11	0.11	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Ce)* Cadmium (Cr)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	8.6 183 0.17 5.1 53.2 4.9 173 35300 379 19.5 0.83 11.3 631	U * * * * * * * * * * * * * * * * * * *	7 0.48 1.1	4.4 87.1 2.2 2.2 4.4 21.8 10.9 43.6 2.2 17.4 4.4 21.8 8.7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-16
Date Sampled.....: 06/08/2004
Time Sampled.....: 12:45
Sample Matrix....: Soil

Laboratory Sample ID: 237118-7
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a F	LAGS	IDL	RL	DILUTION	UNITS	DT	DATE	тесн
SW846 7740	Selenium (Se)*	0.48	В		0.32	1.2	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.063	U		0.063	0.063	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	6.4 42.7 0.57 0.10 24.4 4.1 44.5 23200 45.8 26.2 0.48 9.9 41.5	BBU B UB	* 55 N R	0.69 0.10 0.10 0.18 0.81 0.84 4.8 0.28 0.66 0.48 0.84 0.48	2.5 50.8 1.3 1.3 2.5 12.7 6.3 25.4 1.3 10.2 2.5 12.7 5.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh
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<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-13
Date Sampled.....: 06/08/2004
Time Sampled.....: 13:45
Sample Matrix....: Soil

Laboratory Sample ID: 237118-8
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	2.2		0.52	2.0	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.44		0.094	0.094	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	9.5 28.3 7.3 61.9 34400 44.3 18.9 0.75	B * * * * * * * * * * * * * * * * * * *	1.1 0.16 0.16 0.128 1.3 1.3 7.5 0.44 1.0 0.75 1.3 0.75	4.0 79.3 2.0 2.0 4.0 19.8 9.9 39.7 2.0 15.9 4.0 19.8 7.9	1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mad mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-14
Date Sampled.....: 06/08/2004
Time Sampled.....: 14:15
Sample Matrix....: Soil

Laboratory Sample ID: 237118-9
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
sw846 7740	Selenium (Se)*	2.0		0.39	1.5	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.44		0.073	0.073	1	mg/Kg		06/15/04	lms
	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Cd)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	15.2 160 0.28 70.2 119 12.4 109 95800 234 36.4 1.2 15.1 1320	B N Z	11.9 0.69 1.6 1.2 2.1	6.3 126 3.1 3.1 6.3 31.4 15.7 62.9 3.1 25.2 6.3 31.4 12.6	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mad mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-15
Date Sampled.....: 06/08/2004
Time Sampled.....: 14:55
Sample Matrix....: Soil

Laboratory Sample ID: 237118-10
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DT DATE	TECH
sw846 7740	Selenium (Se)*	0.49	U		0.49	1.9	1	mg/Kg	06/18/04	пыh
SW846 7471A	Mercury (Hg)*	0.26			0.093	0.093	1	mg/Kg	06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	11.4 118 0.22 1.1 32.7 10.9 86.4 55800 214 34.1 0.74 6.5 368	вв в Ов	т Сэ Ся Яи	1.1 0.16 0.16 0.16 0.27 1.2 1.3 7.4 0.43 1.0 0.74 1.3	3.9 78.0 1.9 1.9 3.9 19.5 9.7 39.0 1.9 15.6 3.9 19.5 7.8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	mad mwh mwh mwh mwh mwh mad mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-2
Date Sampled....: 06/07/2004
Time Sampled....: 09:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-11
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FL	AGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	1.3			0.33	1.3	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.037		٠	0.0066	0.0066	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	18.9 50.5 0.45 4.0 11.8 5.0 109 16900 36.3 15.8 0.47 13.4 320	B	* N T T N R N R	0.67 0.099 0.099 0.199 0.17 0.79 0.82 4.7 0.27 0.64 0.47	2.5 49.4 1.2 1.2 2.5 12.4 6.2 24.7 1.2 9.9 2.5 12.4 4.9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-1
Date Sampled....: 06/07/2004
Time Sampled....: 09:52
Sample Matrix...: Soil

Laboratory Sample ID: 237118-12
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.81	В		0.32	1.2	1	mg/Kg	000000	06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.064	U		0.064	0.064	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Cd)* Cadmium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	6.7 62.5 0.30 1.7 7.5 2.6 519 11000 36.7 8.0 0.50 7.6 282	B B BUB	* 7 7 7 R	0.71 0.10 0.10 0.10 0.18 0.84 0.86 5.0 0.29 0.68 0.50 0.86	2.6 52.4 1.3 1.3 2.6 13.1 6.5 26.2 1.3 10.5 2.6 13.1 5.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-8
Date Sampled....: 06/07/2004
Time Sampled....: 10:30
Sample Matrix...: Soil

Laboratory Sample ID: 237118-13
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
sw846 7740	Selenium (Se)*	0.52	В		0.36	1.4	1	mg/Kg		06/18/04	тыһ
SW846 7471A	Mercury (Hg)*	0.068	υ		0.068	0.068	1	mg/Kg		06/15/04	Lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	21.6 128 0.66 1200 91.3 11.1 1720 86100 335 64.5 1.0 27.1 2280	B B UB	* 777 N N N	1.5 0.22 0.22 0.22 0.38 1.8 1.8 10.4 0.60 1.4 1.0	5.5 110 2.7 2.7 5.5 27.4 13.7 54.9 2.7 21.9 5.5 27.4 11.0	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-7

Date Sampled.....: 06/07/2004 Time Sampled.....: 11:15 Sample Matrix....: Soil Laboratory Sample ID: 237118-14
Date Received......: 06/09/2004
Time Received......: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FL	AGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	тесн
SW846 7740	Selenium (Se)*	0.37	В		0.30	. 1.1	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.055	u	ļ	0.055	0.055	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	6.7 68.5 0.50 0.092 41.2 5.2 39.7 50500 52.6 28.6 0.44 5.9 86.3	B	* 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.62 0.092 0.092 0.092 0.16 0.73 0.76 4.3 0.25 0.60 0.44 0.76 0.44	2.3 45.8 1.1 1.1 2.3 11.5 5.7 22.9 1.1 9.2 2.3 11.5 4.6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-6

Date Sampled..... 06/07/2004

Time Sampled....: 12:45
Sample Matrix....: Soil

Laboratory Sample ID: 237118-15 Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.33	U		0.33	1.3	1	mg/Kg	3 0000000	06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.056	υ		0.056	0.056	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	1.0 17.0	BB B UB	* NT T T N R	0.68 0.10 0.10 0.10 0.18 0.81 0.83 4.8 0.28 0.65 0.48 0.83 0.48	2.5 50.3 1.3 1.3 2.5 12.6 6.3 25.2 1.3 10.1 2.5 12.6 5.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-9
Date Sampled....: 06/07/2004
Time Sampled ....: 13-45

Time Sampled....: 13:45 Sample Matrix....: Soil Laboratory Sample ID: 237118-16
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q I	FLAGS	IDL	RL	DILUTION	UNITS	от	DATE	TECH
SW846 7740	Selenium (Se)*	0.39	В		0.32	1.2	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.058	U		0.058	0.058	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	1.7 97.4 0.80 3.5 13.7 1.9 12.3 6840 68.4 4.0 0.62 4.8 147	B B B B B B B B B B B B B B B B B B B	* TTTTR	0.67 0.10 0.10 0.17 0.80 0.82 4.7 0.27 0.65 0.47 0.82 0.47	2.5 49.9 1.2 1.2 2.5 12.5 6.2 24.9 1.2 10 2.5 12.5 5.0	1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-11
Date Sampled....: 06/07/2004
Time Sampled....: 14:50
Sample Matrix...: Soil

Laboratory Sample ID: 237118-17
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	o	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.33	U	•	0.33	1.3	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.059	u		0.059	0-059	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	3.5 27.9 0.29 0.10 9.7 1.8 46.7 11800 45.2 11.8 0.49 4.4	B B U B	* 5 T N R N R N R N R N R N R N R N R N R N	0.70 0.10 0.10 0.18 0.83 0.85 4.9 0.28 0.67 0.49 0.85 0.49	2.6 51.6 1.3 1.3 2.6 12.9 6.4 25.8 1.3 10.3 2.6 12.9 5.2	1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10
Date Sampled.....: 06/07/2004
Time Sampled.....: 16:00
Sample Matrix....: Soil

Laboratory Sample ID: 237118-18
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.32	U		0.32	1.2	1	mg/Kg	33333	06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.058	U		0.058	0.058	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	3.8 37.5 0.43 0.11 21.1 2.0 33.1 14400 61.8 12.3 0.46 6.3 178	8 B B B D B	* 5 5 N R	0.65 0.096 0.096 0.096 0.17 0.77 0.79 4.5 0.26 0.62 0.46 0.79 0.46	2.4 48.0 1.2 1.2 2.4 12.0 6.0 24.0 1.2 9.6 2.4 12.0 4.8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

### LABORATORY TEST RESULTS

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: TP-10A
Date Sampled.....: 06/07/2004
Time Sampled.....: 16:00
Sample Matrix....: Soil

Laboratory Sample ID: 237118-19
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
sw846 7740	Selenium (Se)*	0.48	В		0.29	1.1	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.062	u		0.062	0.062	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Cd)* Cadmium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	3.5 36.5 0.45 13.1 1.9 49.1 9750 142 7.5 0.45 4.8 215	8 8 B B B B B B B B B B B B B B B B B B	* N*E N N	0.64 0.095 0.095 0.095 0.17 0.76 0.78 4.5 0.26 0.62 0.45 0.78 0.45	2.4 47.5 1.2 1.2 2.4 11.9 5.9 23.7 1.2 9.5 2.4 11.9 4.7	1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 237118

Date:06/28/2004

CUSTOMER: InteGreyted International, LEC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-3
Date Sampled....: 06/07/2004 Time Sampled....: 16:35 Sample Matrix...: Soil

Laboratory Sample ID: 237118-20
Date Received...... 06/09/2004
Time Received...... 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	O	FLAGS	IDL	RL	DILUTION	UNETS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.33	u	W	0.33	1.3	1	mg/Kg		06/18/04	mwh
SW846 7471A	Mercury (Hg)*	0.11			0.064	0.064	1	mg/Kg		06/15/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Ct)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	8.0 68.8 0.25 26.7 30.9 3.9 316 22600 88.3 17.1 0.48 12.1 646	8 8	# T # T # T # T # T # T # T # T # T # T	0.68 0.10 0.10 0.10 0.18 0.81 0.84 4.8 0.28 0.66 0.48 0.84	2.5 50.6 1.3 2.5 12.7 6.3 25.3 1.3 10.1 2.5 12.7 5.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/17/04 06/18/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	mwh mad mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

## LABORATORY TEST RESULTS

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-5 Date Sampled....: 06/08/2004 Time Sampled....: 08:00 Sample Matrix...: Soil

Laboratory Sample ID: 237118-1 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	c	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	**********
EPA 160.3	% Moisture	19.5			0.10	*	06/10/04	1 1
EPA 160.3	% Solids	80.5			0.10	%	06/10/04	i 1
SW846 9010B	Cyanide, Total*	1.2	U		1.2	mg/Kg	06/18/04	bg
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In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

TEST RESULTS LABORATORY

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATIN: Mark Schumacher

Customer Sample ID: TP-4 Date Sampled....: 06/08/2004 Time Sampled....: 08:45 Sample Matrix...: Soil

Laboratory Sample ID: 237118-2 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	27.7		0.10	*	06/10/04	ae
EPA 160.3	% Solids	72.3		0.10	<b>%</b>	06/10/04	ae
sw846 9010B	Cyanide, Total*	1.4	ប	1.4	mg/Kg	06/18/04	bg
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\* In Description = Dry Wgt.

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M-NY049

#### TEST RESULTS LABORATORY

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-19 Date Sampled....: 06/08/2004
Time Sampled....: 09:20
Sample Matrix...: Soil Laboratory Sample ID: 237118-3
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
EPA 160.3	% Moisture	20.8		0.10	%	06/10/04	ae
EPA 160.3	% Solids	79.2		0.10	*	06/10/04	ae
SW846 9010B	Cyanide, Total*	107		12.6	mg/Kg	06/18/04	bg
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1						:	

\* In Description = Dry Wgt.

Page 5 STL Newburgh is a part of Severn Trent Laboratories, Inc.



RESULTS LABORATORY TEST

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATIN: Mark Schumacher

Customer Sample ID: TP-12 Date Sampled....: 06/08/2004

Time Sampled....: 09:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-4 Date Received.....: 06/09/2004 Time Received.....: 15:40

G FLAGS REPORTING LIMIT UNITS ANALYZED TECH PARAMETER/TEST DESCRIPTION SAMPLE RESULT TEST METHOD 06/10/04 ae 23.4 0.10 % EPA 160.3 % Moisture 76.6 0.10 % 06/10/04 ae % Solids EPA 160.3 1.3 1.3 mg/Kg 06/18/04 bg SW846 9010B Cyanide, Total\*

\* In Description = Dry Wgt.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 LABORATORY TEST RESULTS

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-17
Date Sampled....: 06/08/2004 Time Sampled....: 10:30 Sample Matrix....: Soil

Laboratory Sample ID: 237118-5 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	49.6		0.10	%	06/10/04	ae
EPA 160.3	% Solids	50.4		0.10	%	06/10/04	
SW846 9010B	Cyanide, Total*	2.0	υ	2.0	mg/Kg	06/18/04	bg
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NJDEP 73015

#### RESULTS LABORATORY TEST

Job Number: 237118

Date: 06/25/2004

PROJECT: 0310025P COOPER CUSTOMER: InteGreyted International, LLC

ATIN: Mark Schumacher

Customer Sample ID: TP-18 Date Sampled.....: 06/08/2004 Time Sampled....: 11:10 Sample Matrix....: Soil

Laboratory Sample ID: 237118-6
Date Received.....: 06/09/2004 Time Received.....: 15:40

	TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	C	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH	1
	EPA 160.3	% Moisture	54.1			0.10	%	06/10/04	ae	
i	EPA 160.3	% Solids	45.9			0.10	%	06/10/04	ae	
	SW846 9010B	Cyanide, Total*	2.2	υ	ゴ	2.2	mg/Kg	06/18/04	bg	-
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RESULTS LABORATORY TEST

Job Number: 237118

Date: 06/25/2004

ATTN: Mark Schumacher PROJECT: 0310025P COOPER CUSTOMER: InteGreyted International, LLC

Customer Sample ID: TP-16 Date Sampled....: 06/08/2004 Time Sampled....: 12:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-7 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	21.2			0.10	*	06/10/04	ae
EPA 160.3	% Solids	78.8			0.10	%	06/10/04	ae
SW846 9010B	Cyanide, Total*	1.3	U		1.3	mg/Kg	06/18/04	bg
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#### TEST RESULTS LABORATORY

Job Number: 237118

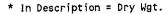
Date: 06/25/2004

ATTN: Mark Schumacher PROJECT: 0310025P COOPER CUSTOMER: InteGreyted International, LLC

Customer Sample ID: TP-13 Date Sampled....: 06/08/2004 Time Sampled....: 13:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-8
Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٩	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	49.6			0.10	%	06/10/04	ae
EPA 160.3	% Solids	50.4			0.10	%	06/10/04	ae
SW846 9010B	Cyanide, Total*	2.0	U		2.0	mg/Kg	06/18/04	bg
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### RESULTS LABORATORY TEST

Job Number: 237118

Date: 06/25/2004

PROJECT: 0310025P COOPER CUSTOMER: InteGreyted International, LLC

ATIN: Mark Schumacher

Customer Sample ID: TP-14 Date Sampled....: 06/08/2004 Time Sampled....: 14:15 Sample Matrix....: Soil

Laboratory Sample ID: 237118-9 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	35.1			0.10	%	06/10/04	ae
EPA 160.3	% Solids	64.9			0.10	%	06/10/04	ae
SW846 9010B	Cyanide, Total*	1.5	U		1.5	mg/Kg	06/18/04	bg
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PA 68-378

LABORATORY TEST RESULTS

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-15
Date Sampled....: 06/08/2004
Time Sampled....: 14:55
Sample Matrix...: Soil

Laboratory Sample ID: 237118-10 Date Received.....: 06/09/2004 Time Received.....: 15:40

	TEST	METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	********
ĺ	EPA	160.3	% Moisture	48.7			0.10	%	06/10/04	l i
	EPA	160.3	% Solids	51.3			0.10	%	06/10/04	ae
	SW846	9010B	Cyanide, Total*	1.9	U	N T	1.9	mg/Kg	06/21/04	bg
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#### RESULTS LABORATORY TEST

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

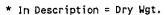
PROJECT: 0310025P COOPER

ATIN: Mark Schumacher

Customer Sample ID: TP-2 Date Sampled....: 06/07/2004 Time Sampled....: 09:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-11 Date Received.....: 06/09/2004 Time Received.....: 15:40

	TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH	
	EPA 160.3	% Moisture	23.7			0.10	%	06/10/04	ae	
	EPA 160.3	% Solids	76.3			0.10	%	06/10/04	ae	l
	SW846 9010B	Cyanide, Total*	1.3	u		1.3	mg/Kg	06/18/04	bg	
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RESULTS TEST LABORATORY

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTH: Mark Schumacher

Customer Sample'ID: TP-1 Date Sampled....: 06/07/2004
Time Sampled....: 09:52
Sample Matrix....: Soil Laboratory Sample ID: 237118-12 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	***********
EPA 160.3	% Moisture	25.2			0.10	%	06/10/04	
EPA 160.3	% Solids	74.8		_	0.10	%	06/10/04	1 1
SW846 90108	Cyanide, Total*	1.4	υ	万宝	1.4	mg/Kg	06/21/04	bg
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### TEST RESULTS LABORATORY

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

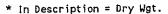
PROJECT: 0310025P COOPER

ATIN: Mark Schumacher

Customer Sample ID: TP-8
Date Sampled....: 06/07/2004 Time Sampled....: 10:30 Sample Matrix....: Soil

Laboratory Sample ID: 237118-13
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST ME	THOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160	.3	% Moisture	29.9			0.10	%	06/10/04	ae
EPA 160	.3	% Solids	70.1			0.10	*	06/10/04	ae
sw846 90	10B	Cyanide, Total*	1.4	U	NI	1.4	mg/Kg	06/21/04	bg
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RESULTS LABORATORY TEST

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

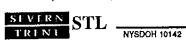
ATTN: Mark Schumacher

Customer Sample ID: TP-7 Date Sampled....: 06/07/2004
Time Sampled....: 11:15
Sample Matrix...: Soil Laboratory Sample ID: 237118-14
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	**********
EPA 160.3	% Moisture	12.7			0.10	. %	06/10/04	ae
EPA 160.3	% Solids	87.3	ļ		0.10	%	06/10/04	ae
SW846 9010B	Cyanide, Total*	1.1	υ	N 2	1.1	mg/Kg	06/21/04	bg
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#### RESULTS TEST LABORATORY

Job Number: 237118

Date: 06/25/2004

PROJECT: 0310025P COOPER CUSTOMER: InteGreyted International, LLC

ATTN: Mark Schumacher

Customer Sample ID: TP-6 Date Sampled....: 06/07/2004 Time Sampled....: 12:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-15 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	18.9			0.10	*	06/10/04	1
EPA 160.3	% Solids	81.1			0.10	%	06/10/04	ae
SW846 9010B	Cyanide, Total*	1.2	U	T N	1.2	mg/Kg	06/21/04	bg
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NJDEP 73015

EPA NY049

LABORATORY TEST RESULTS

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-9 Date Sampled....: 06/07/2004
Time Sampled....: 13:45
Sample Matrix....: Soil Laboratory Sample ID: 237118-16 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	18.1			0.10	*	06/10/04	ae
EPA 160.3	% Solids	81.9			0.10	*	06/10/04	ae
SW846 9010B	Cyanide, Total*	1.2	U	иЗ	1.2	mg/Kg	06/21/04	bg
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RESULTS TEST LABORATORY

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-11 Date Sampled....: 06/07/2004
Time Sampled....: 14:50
Sample Matrix...: Soil Laboratory Sample ID: 237118-17 Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	22.4			0.10	*	06/10/04	ae
EPA 160.3	% Solids	77.6			0.10	%	06/10/04	ł
SW846 9010B	Cyanide, Total*	1.2	U	и 7	1.2	mg/Kg	06/21/04	bg
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RESULTS TEST LABORATORY

Job Number: 237118

Date: 06/25/2004

PROJECT: 0310025P COOPER ATTN: Mark Schumacher CUSTOMER: InteGreyted International, LLC

Customer Sample ID: TP-10
Date Sampled....: 06/07/2004
Time Sampled....: 16:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-18 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
-EPA 160.3	% Moisture	18.4			0.10	*	06/10/04	1
EPA 160.3	% Solids	81.6			0.10	%	06/10/04	
SW846 9010B	Cyanide, Total*	1.3	υ	иД	1.3	mg/Kg	06/21/04	bg
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PA 68-378

TEST RESULTS LABORATORY

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-10A Date Sampled....: 06/07/2004
Time Sampled....: 16:00
Sample Matrix...: Soil Laboratory Sample ID: 237118-19 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
EPA 160.3	% Moisture	19.0		0.10	×	06/10/04	ae
EPA 160.3	% Solids	81.0		0.10	%	06/10/04	ae
SW846 9010B	Cyanide, Total*	1.3	υ	1.3	mg/Kg	06/18/04	bg
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EPA NY049

#### RESULTS LABORATORY TEST

Job Number: 237118

Date: 06/25/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: 0310025P COOPER

ATTN: Mark Schumacher

Customer Sample ID: TP-3 Date Sampled....: 06/07/2004 Time Sampled....: 16:35 Sample Matrix....: Soil

Laboratory Sample 1D: 237118-20 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST ME	THOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160	.3	% Moisture	25.4			0.10	%	06/10/04	ae
EPA 160	.3	% Solids	74.6			0.10	*	06/10/04	ae
SW846 90	10B	Cyanide, Total*	1.4	U	и 2	1.4	mg/Kg	06/21/04	bg
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### 2B

## SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	STL Newburgh	1	Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237118	
Level: (low/m	ned) LOW					

	EPA	SMC1	SMC2	SMC3	ТОТ
	SAMPLE NO.	(DCE) #	(TOL) #	(BFB) #	OUT
01	BLK086	104	108	101	0
02 7	P-5	101	118	121	0
03 T	P-4	97	116	98	0
04 T	P-19	97	135	120	0
05 V	BLK087	95	103	96	0
	P-15	96	143	80	0
07 T	P-2	102	131	77	0
08T	P-7	103	120	79	0
09 T	P-6	100	122	96	0
10 T	P-9	96	115	102	0
11 V	BLK088	94	107	96	0
, ,	P-10A	95	123	94	0
13 T	P-3	97	126	89	0
14 T	P-12	94	138	91	0
15 T	P-17	84	129	104	0
16 T	P-18	90	114	83	0
17 T	P-13	94	128	97	0
18 T	P-14	93	123	87	0
19T	P-15RE	93.	130	73	0
20 T	P-1	94	120	81	0
21 T	P-8	97	126	82	0
22 T	P-7RE	99	124	87	0
23 T	P-6RÉ	102	124	87	Ō
24 T	P-9DL	95	110	93	0
25 V	BSPK20	91	104	102	0
26 T	P-5MS	91	132	108	0
27 T	P-5MSD	94	120	112	0
28 V	BLK088A	90	110	94	0
29 T	P-5DL	94	106	100	0
30 T	P-16	94	130	98	0
31 T	P-11	85	143	106	0

### **QC LIMITS**

SMC1 (DC	E) =	1,2-Dichloroethane-d4	(80-136)
SMC2 (TO	L) =	Toluene-d8	(72-143)
SMC3 (BF8	B) =	Bromofluorobenzene	(49-138)

# Column to be used to flag recovery values

- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

page 1 of 2

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### 2B

## SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Contract: STL Newburgh Lab Name: SAS No.: SDG No.: 237118 Case No.: Lab Code: 10142

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
32	TP-10	90	134	87	0
	VBLK089	98	107	104	0
34	TP-8RE	98	141	91	0

## QC LIMITS

(80-136)1,2-Dichloroethane-d4 SMC1 (DCE) (72-143)SMC2 (TOL) Toluene-d8 (49-138)SMC3 (BFB) Bromofluorobenzene

# Column to be used to flag recovery values

- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

page 2 of 2

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### 2B

## SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Contract: Lab Name: STL Newburgh SAS No.: SDG No.: 237118 Case No.: Lab Code:

MED Level: (low/med)

	EPA	SMC1	SMC2	SMC3	TOT
	SAMPLE NO.	(DCE) #	(TOL) #	(BFB) #	OUT
01	VBLKM21	93	93	94	0
02	TP-4DL	95	95	92	0

### QC LIMITS

(80-136)1,2-Dichloroethane-d4 (DCE) SMC1 (72-143)SMC2 (TOL) Toluene-d8 (49-138)SMC3 (BFB) Bromofluorobenzene

# Column to be used to flag recovery values

- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

page 1 of 1

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EPA NY049

### 2D SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name:	STL Newburgh	າ	Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237118	_
Level: (low/n	ned) LOW					

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	EPA	S1	S2	S3	S4	S5	S6	S7	S8	TOT
	SAMPLE NO.	(2FP) #	(PHL) #	(2CP) #	(DCB) #	(NBZ) #	(FBP) #	(TBP) #	(TPH) #	OUT
01	SBLK20	67	67	65	52_	61	70	64	60	0
	SBSPK20	47	49	48	38	41	53	56	53	0
	TP-15	7	6*	7	3*	5*	3*_	3*	1*	6
	TP-18	25	25	24	20	22	27	26	25	0
	TP-10	12	12	12	5_*	9	7*_	9*	4 *	4
	TP-7	25	24	25	18	21	27	24	22	0
	TP-16	26	27	28	22	25	29	29	23	0
<b>⊁</b> 08		36	37	35	26	27	48	41	55	0
	TP-2	25	24	24	18	20	25	26	24	00
	TP-13	24	24	24	20	21	24	27	29	0
	TP-10A	31	32	31	16	22	30	28	29	0
	TP-9	35	35	34	24	30	38	38	45	0
	TP-8	23	27	25	15	21	31	31	46	0
	TP-19	16	17	18	13	15	17	19	25	0
	TP-11	42	42	42	30	34	51	31	61	0
¥16	TP-12	41	41	42	31	31	48	41	72	0
<b>×</b> 17	TP-6	54	55	54	37	47	61	45	105	0
	TP-14	34	32	33	25	26	31	35	59	0
<b>1</b> 19		25	27	27	22	26	47	19	54	0
	TP-11DL	46 D	48 D	47 D	34 D	38 D	52 D	45 D	51 D	0
	TP-12DL	42 D	44 D	44 D	34 D	32 D	50 D	48 D	55 D	0
	TP-1DL	26 D	27 D	28 D	23 D	24 D	44 D	. 18D	38 D	0
723		29	32	30	21	26	36	44	95	0
<b>≠</b> 24		18	18	19	13	13	22	20	33	0
	TP-17	31	31	32	25	28	33	35	54	0
. ,	TP-4DL	D	D	D	D	_D	D	38 D	54 D	0
5	TP-9DL	31,	35	35	25	30	39	39	46	0
	TP-5MS	43	44	44	33	31	48	42	62	0
	TP-5MSD	47	47	47	36	31	50	43	66	0
	TP-5RE	34	36	35	27	26	44	41	68	0
	TP-10ARE	29	31	30	16	22	28	28	36	0

### QC LIMITS

S1	(2FP)	=	2-Fluorophenol	(7-96)
S2	(PHL)	=	Phenol-d5	(7-96)
S3	(2CP)	=	2-Chlorophenol-d4	(4-102)
S4	(DCB)	=	1,2-Dichlorobenzene-d4	(6-66)
<b>S</b> 5	(NBZ)	=	Nitrobenzene-d5	(6-73)
S6	(FBP)	=	2-Fluorobiphenyl	(10-85)
S7	(TBP)	=	2,4,6-Tribromophenol	(15-113)
S8	(TPH)	=	Terphenyl-d14	(15-137)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

STL Newburgh is a part of Severn Trent Laboratories, Inc.

EPA NY049

## 2D SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name:	STL Newburgh		Contract:		
Lab Code:	10142	Case No.:	SAS No.: _	 SDG No.:	237118
Level: (low/m	ned) I OW				

EPA	S1	S2	S3 <sup>-</sup>	S4	S5	S6	S7	S8	TOT
SAMPLE NO.	(2FP) #	(PHL) #	(2CP) #	(DCB) #	(NBZ) #	(FBP) #	(TBP) #	(TPH) #	OUT
TP-8RE	23	26	24	15	21	29	31	55	0
TP-19RE	17	17	17	13	14	17	17	27	0
TP-14RE	35	34	35	26	28	33	33	57	0
TP-6DL	59 D	60 D	58 D	39 D	50 D	69 D	53 D	90 D	0
TP-17RE	32	32	33	25	29	37	35	60	0
TP-3RE	19	20	20	13	14	24	19	35	0
SBLK24	*	*	*	*	*	ż	*	*	8
SBSPK24	34	40	35	27	30	40	63	56	0
TP-10RR	41	52	45	24	43	65	39	78	0_
TP-15RR	44	48	45	26	38	51	83	112	0

				QC LIMITS
<b>S</b> 1	(2FP)	=	2-Fluorophenol	(7-96)
S2	(PHL)	=	Phenol-d5	(7-96)
S3	(2CP)	=	2-Chlorophenol-d4	(4-102)
S4	(DCB)	=	1,2-Dichlorobenzene-d4	(6-66)
S5	(NBZ)	=	Nitrobenzene-d5	(6-73)
S6	(FBP)	=	2-Fluorobiphenyl	(10-85)
S7	(TBP)	=	2,4,6-Tribromophenol	(15-113)
S8	(TPH)	=	Terphenyl-d14	(15-137)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

STL Newburgh is a part of Severn Trent Laboratories, Inc.

FORM II SV-2 CTDOHS PH-0554

STL Newburgh 315 Fullerton Avenue Newb**3;60,0)**Y 12650 Tel (645) 662-0890 Fax (645) 562-0841

# SULID PESTICIDE SURROGATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): Rtx-CLPest ID: 0.32 (mm)

GC Column (2): Rtx-CLPest2 ID: 0.32 (mm)

	EPA	TCX	1	TCX	2	DCB	1	DCB	2	OTHER	0=11=	
<u>_</u>  ⊨	SAMPLE NO.	%REC	#	%REC	#	%REC	#	%REC	#		OTHER	1
1	PBLK16	83		89	Ī	90	===	104		(1)	(2)	Ol
2	PBSPK16	89	$\neg$	91	$\neg$	88	-	95				
3	TP-5MS	128	*	164	*	111	_	67	$\dashv$			
4	TP-5MSD	0	*	0	*	0	*	0	<del>_</del>			2
5	TP-19	76		82	+	141	*	117				4
6	TP-12	22	*	29	*	52	┥	36				1
7	TP-17	73	7	79	╁	160	┰┼	144	*			2
8	TP-15	39	╅	46	╅	53	+	43	<u> </u>			2
9	TP-1	144	7	214	+	115	+		*			0
10	TP-8	89	+	104	╁		+	178				3
11	TP-6	70	7	31 *		45	╀	104	- -			1
12	TP-11	142 *	1	112	+	574 *	+	44				1
13	TP-10	43	T	40	_	39	+	200	*			3
14	TP-3	59	T	80	_	49	╀	72	4_			0
15	TP-5	107	-	135 *	<del></del>	91	╄	58	┸-			0
16	TP-4	131 *	_	126 *	-	385 *	╄╌	67	4_			1
17	TP-18	84	-	87	—	17	╄	986				4
18	TP-16	62	_	63	_	36	L	321 *				1
19	TP-13	48	_	43	_	9	<u> </u>	98				0
20	TP-14	79	_	37		02	<u> </u>	97				0
1	TP-2	73		72		90 *	_	126 *	<u> </u>			1
2	TP-7	90	_	7		25		121				1
3	TP-9	89		04	! <u></u> 7		_	19	<u> </u>			0
4	TP-10A	83	_	4			_	76	<u> </u>			0
5				<del>"</del>	74	4		72				0
3				<del></del>								
7												$\dashv$
3							_					$\dashv$
												$\dashv$
<b></b>		<del></del>										$\dashv$
												$\dashv$
<b></b> _												

**ADVISORY** QC LIMITS

TCX = Tetrachloro-m-xylene

EPA NY049

DCB = Decachlorobiphenyl

(32-121)(30-125)

# Column used to flag recovery values

\* Values outside of QC limits.

D Surrogates Diluted out.

NJDEP 73015

3/90

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Lab Name: STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

GC Column (1):

DB-5

ID: 0.32 (mm)

GC Column (2): DB-1701P ID: 0.32

1 2 5 7 6 7 6 7 8 9 10 11 12 13 14 15 16 17 18 19 7 20 7	MPLE NO. PBLK16 PBSPK16 TP-5 TP-5MS TP-5MSD TP-4 TP-19 TP-12 TP-17 TP-18 TP-16 TP-13 TP-14 TP-15	%REC   60   0   74   77   23   172   41   69   47   176   45   46   59	* * * *	%REC 62 0 162 115 38 132 48 71 71 260	* 66 * 10 90 33 * 258 38 210 190 * 226	5 38 5 6	* * * *	%REC 68 67 88 93 31 938 71 99	*	(1)		OTHER (2)	TOT OUT 0 2 1 0 1 4
3 4 5 7 6 7 6 7 8 9 10 11 12 13 14 15 16 17 18 19 7 20 7	PBSPK16 TP-5 TP-5MS TP-5MSD TP-4 TP-19 TP-12 TP-17 TP-18 TP-16 TP-13	0 74 77 23 172 41 69 47 176 45 46	*	0 162 115 38 132 48 71 71 260	* 66 * 10 99 38 * 256 38 210 199 * 226	9 02 4 5 38 5 6	*	67 88 93 31 938 71	*				0 2 1 0
3 4 5 7 6 7 6 9 10 11 12 13 14 15 16 17 18 19 7 20 7	TP-5 TP-5MS TP-5MSD TP-4 TP-19 TP-12 TP-17 TP-18 TP-16 TP-13 TP-14	74 77 23 172 41 69 47 176 45 46	*	162 115 38 132 48 71 71 260	* 10 9. 38 * 258 210 19. * 226	02 4 5 38 5 6	*	88 93 31 938 71 99	*				2 1 0 1
5 T 6 7 8 9 10 11 12 13 14 15 16 17 18 19 7	TP-5MS 'P-5MSD TP-4 TP-19 TP-12 TP-17 TP-18 TP-16 TP-13 TP-14	77 23 172 41 69 47 176 45 46	*	115 38 132 48 71 71 260	99- 38 258 210 19-	4 5 38 5 6	*	93 31 938 71 99	*				1 0 1
6	TP-4 TP-19 TP-12 TP-17 TP-18 TP-16 TP-13 TP-14	23 172 41 69 47 176 45 46	*	38 132 48 71 71 260	* 258 38 210 19°	5 38 5 6	*	31 938 71 99	*				0
7 8 9 10 11 12 13 14 15 16 17 18 19 19	TP-19 TP-12 TP-17 TP-18 TP-16 TP-13 TP-14	172 41 69 47 176 45 46	+	132 48 71 71 260	* 258 38 210 19° * 226	38 5 6	*	938 71 99	*		1		1
8 9 10 11 12 13 14 15 16 17 18 19 17 20 7	TP-12 TP-17 TP-18 TP-16 TP-13 TP-14	41 69 47 176 45 46	*	48 71 71 260	38 210 19°	5 6	*	71 99	*		1		
9 10 11 12 13 14 15 16 17 18 19 19	TP-17 TP-18 TP-16 TP-13 TP-14	69 47 176 45 46	*	71 71 260	210 19°	6 1 ,		99	1		工		
10 11 12 13 14 15 16 17 18 19 19	TP-18 TP-16 TP-13 TP-14	47 176 45 46	*	71 260	19 <sup>-</sup>	1 ,	1		$\perp$				1
11 12 13 14 15 16 17 18 19 19	TP-16 TP-13 TP-14	176 45 46	*	260	226						- {		
12 13 14 15 16 17 18 19 20	TP-13 TP-14	45 46	+		220	• *		94	$\perp$ L				-
13 14 15 16 17 18 19 19	TP-14	46	1	_02			1	2.00	*				4
14 15 16 17 18 19 7 20 7				76	60		1	52					0
15 16 17 18 19 19	TP-15		Г	76	75		$\bot$	66	L				0
16 17 18 19 19 20		29 *	+-	87	138	*	╀	83					1
17 18 19 7 20	TP-2	54	╁	84	49		-	38	$\perp$		7		1
18 19 1 20 1	TP-1	65	╁	113	175		-	81			$\top$		<del>1</del>
19 T	TP-8	54	_	123 *	142	*	_	69	L		7		1
20 7	ΓP-7	63	-	85	229	*	_	76	L		T		1
<del></del>	ГР-6	59	_	61	81 115			68	L		T		0
21	P-9	61	-	70			_	40	L_		$\Gamma^{-}$		0
	P-11	54	_	90	65 593			19			$\Gamma$		0
	P-10	38	_	51	41	}		32					<b>7</b>
	-10A	49		36	53			4					1
	P-3	58		31	128		5						
	-4DL	355 *		34 *	430	*	5						1
	19DL	63		37 *	300	*	63						
	12DL	95	8				10						
	17DL	64	69		228 206	*	11:		<u>-</u>				_
9 TP-1	801	264 *	35		308	*	13			T		2	
DTP-1	I	61	57		308 86		409 90					4	

**ADVISORY** QC LIMITS

TCX = Tetrachloro-m-xylene DCB = Decachlorobiphenyl

(32-121) (30-125)

# Column used to flag recovery values

\* Values outside of QC limits.

D Surrogates Diluted out.

3/90

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841



Lab Name: STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

GC Column (1):

SDG No.:

ID: 0.32 (mm) DB-5

GC Column (2): DB-1701P ID: 0.32

<del></del>										7.02 (1)	mn)	
	EPA SAMPLE NO.	TCX 1 %REC #	, ,	2	DCB %BEG	1	DCB	2	OTHER	OTHE	=p	тот
1	TP-14DL	81	194	*	%REC	#	%REC	#	(1)	(2)	-11	
2	TP-15DL	39	95		161	*	173	*		7-/		OUT
3	. TP-1DL	114	88	-4	45	_	70	$\Box T$		<b></b>		3
4	TP-8DL	62	91	-	130	*	118	$\Box$			╼┽	0
5	TP-3DL	84	64	-	194	*	127	*				1
6	TP-5DL	127 *		+	136	*[	118					2
7	TP-10ADL	76	115	4	120	$\perp$	127	*			-+	1
8		┝─┷┷	110	+	61	$\perp$	70	$\top$	<del></del>	<del></del>		3
9		·		4		$oldsymbol{\perp}$		7	<del></del>			0
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23				_	<del></del>							7
24												7
25												7
26					<del></del>							1
27			<del></del>									1
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29		<del></del>								<del></del>		
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									<del></del>	<u>-</u> _		

ADVISORY QC LIMITS

TCX = Tetrachloro-m-xylene DCB = Decachlorobiphenyl

(32-121)

(30-125)

# Column used to flag recovery values

\* Values outside of QC limits.

CTDOHS PH-0554

D Surrogates Diluted out.

STL NEOFIN is a presspren Trent Laboratories, Inc.

3/90

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

### 3BS SOIL VOLATILE BLANK SPIKE RECOVERY

Lab Name:	STL Newb	urgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237118
Matriy Snike	- FPA Sam	nole No. VBSPK20	Leve	l: (low/med)	LOW

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	REC.
1,1-Dichloroethene	50	41	82	69 - 119
Trichloroethene	50	59	118	64 - 136
Benzene	50	50	100	74 - 124
Toluene	50	47	94	76 - 124
Chlorobenzene	50	49	98	68 - 114

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:	
-----------	--

### 3B SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newbu	rgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237118
Matrix Spike	- EPA Samp	le No. TP-5	Le	vel: (low/med)	LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC.
1,1-Dichloroethene	310	0	290	94	69 - 119
Trichloroethene	310	0	330	106	64 - 136
Benzene	310	0	430	139 *	74 - 124
Toluene	310	. 80	450	119	76 - 124
Chlorobenzene	310	0	360	116 *	68 - 114

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	RPD#	RPD	REC.
1,1-Dichloroethene	310	280	90	4	22	69 - 119
Trichloroethene	310	350	113	6	24	64 - 136
Benzene	310	420	135 *	3	21	74 - 124
Toluene	310	420	110	8	21	76 - 124
Chlorobenzene	310	340	110	5	21	68 - 114

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 3 out of 10 outside limits

COMMENTS:

STL Newburgh is a part of Severn Trent Laboratories, Inc.

RN STL

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

STL Newburgh 315 Fullerton Avenue Newtysigh, NY 12550 Tel (645) 562-0890 Fax (845) 562-0841

## 3BS SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name:	STL Newb	ourgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237118	
Matrix Spike	- EPA San	nple No. SBSPK20	Leve	el: (low/med) LOW	

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	REC.
Phenol	830	420	51	26 - 90
2-Chlorophenol	830	420	51	25 - 102
1,4-Dichlorobenzene	830	370	45	28 - 104
N-Nitroso-di-n-propylamine	830	410	49	41 - 126
1,2,4-Trichlorobenzene	830	410	49	38 - 107
4-Chloro-3-methylphenol	830	450	54	26 - 103
Acenaphthene	830	500	60	31 - 137
2,4-Dinitrotoluene	830	470	57	28 - 89
4-Nitrophenol	830	250	30	11 - 114
Pentachlorophenol	830	290	35	17 - 109
Pyrene	830	480	58	35 - 142

# Column to be used to	flag recovery values	with an asterisk
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Spike Recovery: 0 out of 11 outside limits

COMMENTS:			

PA 68-378

<sup>\*</sup> Values outside of QC limits

## **3BS** SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name:	STL New	burgh	Contract:	<u></u>	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237118	
Matrix Snike	FDΔ Sar	mnle No. SBSPK24	Leve	el: (low/med) LOW	

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	REC.
Phenol	830	300	36	26 - 90
2-Chlorophenol	830	280	34	25 - 102
1,4-Dichlorobenzene	830	230	28 *	28 - 104
N-Nitroso-di-n-propylamine	830	280	34 *	41 - 126
1,2,4-Trichlorobenzene	830	270	33 *	38 - 107
4-Chioro-3-methylphenol	830	380	46	26 - 103
Acenaphthene	830	390	47	31 - 137
2,4-Dinitrotoluene	830	490	59	28 - 89
4-Nitrophenol	830	380	46	11 - 114
Pentachlorophenol	830	310	37	17 - 109
Pyrene	830	490	59	35 - 142

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 3 out of 11 outside limits

COMMENTS:	<u> </u>	

EPA NY049

### 3D

## SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL New	ourgh	Contract:	Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 23711	88		
Matriy Snike	- FPA Sar	nnle No. TP-5	Leve	l: (low/med) LOW			

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC.
Phenol	3000	990	2200	40	26 - 90
2-Chlorophenol	3000	0	1100	37	25 - 102
1,4-Dichlorobenzene	2000	120	730	31	28 - 104
N-Nitroso-di-n-propylamine	2000	0	830	42	41 - 126
1,2,4-Trichlorobenzene	2000	160	890	37 *	38 - 107
4-Chloro-3-methylphenol	3000	0	1300	43	26 - 103
Acenaphthene	2000	200	990	40	31 - 137
2,4-Dinitrotoluene	2000	0	540	27 *	28 - 89
4-Nitrophenol	3000	. 0	1700	57	11 - 114
Pentachlorophenol	3000	0	710	24	17 - 109
Pyrene	2000	550	1700	60	35 - 142

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC L	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	RPD#	RPD	REC.
Phenol	3100	2400	45	12	35	26 - 90
2-Chlorophenol	3100	1200	39	5	50	25 - 102
1,4-Dichlorobenzene	2100	770	31	0	27_	28 - 104
N-Nitroso-di-n-propylamine	2100	850	40 *	5	38	41 - 126
1,2,4-Trichlorobenzene	2100	920	36 *	3	23	38 - 107
4-Chloro-3-methylphenol	3100	1400	45	5	33	26 - 103
Acenaphthene	2100	1000	38	5	19	31 - 137
2,4-Dinitrotoluene	2100	460	22 *	20	47	28 - 89
4-Nitrophenol	3100	2000	65	13	50	11 - 114
Pentachlorophenol	3100	710	23	4	47	17 - 109
Pyrene	2100	1900	67	11	36	35 - 142

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 5 out of 22 outside limits

COMMENTS:

STL Newburgh is a part of Severn Trent Laboratories, Inc.



# 3F SOIL PESTICIDE MATRIX BLANK SPIKE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No..

SDG No .:

Matrix Spike - EPA Sample No.:

PBSPK16

Heptachlor         6.7         0.0         5a3         79         64-11a           Aldrin         6.7         0.0         4.6         68         54-118           Dieldrin         6.7         0.0         5.6         84         50-112           Endrin         6.7         0.0         5.6         83         50-152           4,4'-DDT         6.7         0.0         5.8         87         64-138	COMPOUND gamma-BHC(Lindane)	SPIKE ADDED (ug/kg) 6.7	SAMPLE CONCENTRATION (ug/kg)	MSB CONCENTRATION (ug/kg)	MSB % REC #	QC LIMITS REC.
Addition     6.7     0.0     4.6     68     54-118       Dieldrin     6.7     0.0     5.6     84     50-112       Endrin     6.7     0.0     5.6     83     50-152       4,4'-DDT     6.7     0.0     5.8     87     64-138	Heptachlor				79	64-114
Endrin         6.7         0.0         5.6         83         50-152           4,4'-DDT         6.7         0.0         5.8         87         64-138			0.0			54-118 50-112
0.7		6.7			83	50-152
6.1 92 69-129	7,7-001	6.7	0.0	6.1	92	64-138 69-129



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3F SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No .:

Matrix Spike - EPA Sample No.:

PBSPK16

COMPOUND Aroclor 1242	SPIKE ADDED (ug/kg) 66.7	MSB CONCENTRATION (ug/kg)	MS % RECOVERY	QC LIMITS
	33.7	11.30	17 *	43-93

FORM III PEST

3/90

3F SOIL PESTICIDE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No .:

SDG No.:

Matrix Spike - EPA Sample No.:

TP-5

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %		QC LIMITS
gamma-BHC(Lindane)	10.3	0.0		REC	#	REC.
Heptachior	10.3	0.0	16.8	163	*	64-114
Aldrin	10.3		8.1	78		54-118
Dieldrin	20.7	0.0	12.5	121	*	50-112
Endrin	20.7	0.0	30.3	146		50-152
4,4'-DDT		0.0	39.0	189	*	64-138
	20.7	0.0	85.7	415	<del>- *  </del>	69-129
	<del></del>				-	09-129

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC	#	% RPD	щ	QC LIM	
gamma-BHC(Lindane)	10.1	12,1	118	*		_#]	RPD	REC.
Heptachlor	10.1	5.9	57		32		50	64-114
Aldrin	10.1	9.7	94		31	*	31	54-118
Dieldrin	20.3	21.9			25		43	50-112
ndrin	20.3	27.3	106	-+	32		38	50-152
1,4'-DDT	20.3	45.4	132	<del>-</del> +	36		45	64-138
		40.4	220		61	*	50	69-129

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

2 out of

6

outside limits

Spike Recovery:

6

out of

12

outside limits

FORM III PEST

3/90



PA 68-378

# 3F SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

TP-5

82.5 0.0 88.50 107 *	COMPOUND Aroclor 1242	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC
	1100101 1242	82.5	0.0	88.50	

02.01 38.00	COMPOUND Aroclor 1242	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % RECOVERY	QC LIMITS
40 43-9	(	82.8	38.00	46	43-93

FORM III PEST

3/90

#### 6 DUPLICATES

EPA	SAMPLE	NO
-----	--------	----

	TP-5D	
ontract:	 	

Lab	Name:	STL New	ourgh	Contract:	
Lab	Code:	10142_	Case No.:	SAS No.:	SDG No.:

Level (low/med): LOW Matrix (soil/water): SOIL

% Solids for Duplicate: 80.46 % Solids for Sample: 80.46

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte  Arsenic Beryllium Cadmium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chromium Chro	Limit 2 6 10	Sample (S)  3.8209 0.4662 0.0956 24.3601 2.7192 29.9582 17464.2797 15.4941 0.4541 8.1235 166.1931	C	Duplicate (D) C       RPD Q M         3.4492 0.7067 0.1592 B D 17.4243 2.4871 D 26.7037 13228.8778 9.9966 0.4541 U 8.4526 B 186.7205 D 186.7205       8.99 66 43.1 D P P D D D D D D D D D D D D D D D D

FORM VI - IN

ILM04.0

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PA 68-378

#### 6 DUPLICATES

EPA SAMPLE NO	EPA	SAMPLE	NO
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TP-5D	
	- 1

Lab Name: STL Newburgh	Contract:	
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): SOIL	Level	(low/med): LOW_
% Solids for Sample: 80.46_	% Solids for Du	plicate: <u>80.46</u>

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Limit	Sample (S)	С	Duplicate	(D) C	RPD	Q N	٧ī
Selenium		0.	4836 B	0.	4878 B	0.9	-  <u>=</u>	F
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<u> </u>					_			
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FORM VI - IN

CTDOHS PH-0554

ILM04.0

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% Solids for Sample: 80.46

6 DUPLICATES

EPA	SAMPLE	MO
		INC.

Lab Name: STL Newburgh	Contract:	
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): SOIL	Leve	el (low/med): LOW_
% Colide for Cample, 80 46	% Solids for	Duplicate: 80 46

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

							<del></del>	<u> </u>
Analyte	Limit	Sample (S)	c	Duplicate (D)	C	RPD	QM	1
_		1			l	<u> </u>	_   _	
Mercury		0.056	55   U	0.062	1 0		_   ⊆	V
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FORM VI - IN

ILM04.0

SEVERN STL

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# **DUPLICATES**

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG NO.:

237118

Matrix (Soil/Water): SOIL

Level (Low/Med): LOW

% Solids for Sample: 81.1

%Solids for Duplicate:

TP-5 Client ID:

Concentration Units ( ug/l or mg/kg dry weight ): mg/kg

	Concent	ation onits	<u>, ug</u>	Tor mg/kg dry	1.0.5	,,,,,,,,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	13	1
ANALYTE	CONTROL	SAMPLE (S)	С	DUPLICATE (D)	С	RPD	Q	М
Aluminum								Р
Antimony							<u> </u>	Р
Arsenic			<u> </u>					Р
Barium								Р
Beryllium								Р
Cadmium			<u> </u>					Р
Calcium								Р
Chromium								Р
Cobalt					<u> </u>			P_
Copper								Р
Iron								P
Lead								P
Magnesium								P
Manganese								P
Mercury								CV
Nickel								Р
Potassium								Р
Selenium								F
Silver								P
Sodium								P
Thallium								Р
Vanadium								P
Zinc								Р
Cyanide		1.2400	U	1,2400	U	0.0		<u>C</u>



PA 68-378

#### 6 **DUPLICATES**

Lab Name: STL NEWBURGH

Lab Code: 10142

Matrix (Soil/Water): SOIL

% Solids for Sample: 81.1

TP-6

Contract:

SDG NO.:

237118

Level (Low/Med): LOW

%Solids for Duplicate:

Client ID: Concentration Units ( ug/l or mg/kg dry weight ): mg/kg

		allon Onits	<u>/ 23,</u>	TOT HIGHE GIT	11 012	7···· / · · · · · · · · · · · · · · · ·	<del>,,9</del>	Т
ANALYTE	CONTROL	SAMPLE (S)	С	DUPLICATE (D)	С	RPD	Q	М
Aluminum								Р
Antimony					<u> </u>		<u> </u>	Р
Arsenic								Р
Barium								Р
Beryllium							<u> </u>	Р
Cadmium					Ш			Р
Calcium	<u> </u>						<u> </u>	Р
Chromium								P
Cobalt					$\sqcup \sqcup$			Р
Copper								Р
iron								Р
Lead								Р
Magnesium								Р
Manganese								Р
Mercury								CV
Nickel								Р
Potassium								Р
Selenium								F
Silver								P
Sodium			$\Box$					P
Thallium								P
Vanadium								Р
Zinc							- 1	Р
Cyanide		1.2000	U	1.2000	<u>U  </u>	0.0		<u> </u>

#### 5A SPIKE SAMPLE RECOVERY

T1 T2 74	CONTRACT	3 3.T/C
EPA	SAMPLE	NO

	TP-5S
 Contract:	 

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 80.46

Lab Name: STL Newburgh

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

								ī	$\Box$
Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	М
Arsenic Beryllium Cadmium Chromium Cobalt Copper ron Nickel Silver Vanadium Zinc	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	$ \begin{array}{r} 14.6542 \\ 13.5241 \\ 11.4072 \\ 77.6918 \\ 128.6416 \\ 109.7272 \\ 24554.1958 \\ 142.0461 \\ 7.8775 \\ 139.3521 \\ 1202.5735 \\ \end{array} $		3.8209 0.4662 0.0956 24.3601 2.7192 29.9582 17464.2797 15.4941 0.4541 8.1235 166.1931		9.94 12.68 12.43 50.73 126.82 63.41 253.64 126.82 12.68 126.82	109.0 103.0 91.8 105.1 99.3 125.8 2795.3 99.8 62.1 103.5 817.2		
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Comments:			

STL NewEGRIM a Wart of SeveIn Trent Laboratories, Inc.

NT STL NYSDOH 10142 NJDEP 73016 CTDOHS PH-0554 EPA NY049 PA 68-378

#### 5A SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO.

Lab Name:	STL Newb	urgh		Contract:		TP-5S		
·		Case No.:		SAS No.:	SI	G No.:		
Matrix (so	•				Level (lov	/med):	LO	W
% Solids fo								
Co	oncentra	tion Units (ug/I	. C	or mg/Kg dry wei	ght): mg/Kg	-		<del>. — -</del> .
Analyte	Control Limit %R	Spiked Sample Result (SSR)	С	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Selenium		a.33		0.4830 B	2.34.5	78.7	-  -	F
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Comments:								
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SEVERN STL NYSDOH 10142

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EPA NY049

STI. Newburgh 315 Bubliforraverus Newburgh, NY 12550 Tel (845) 562-0841 Fax (845) 562-0841

#### 5A SPIKE SAMPLE RECOVERY

EPA :	SAMPLE	NO
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		TP-5S
Lab Name: STL Newburgh	Contract:	
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): <u>SOIL</u>	Level	(low/med): LOW_

% Solids for Sample: 80.46

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR) (	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	М
Mercury	75-125	0.1398	_	0.0565	፱	0.16	87.4	_	CV
	<u> </u>		-		-			-	
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Comments:	

STL NewEOBAM a Wart of SeveInVrent Laboratories, Inc.

I L.M. O. Awburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 5A SPIKE SAMPLE RECOVERY

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG:No.:

237118

Matrix (Soil/Water): % Soilds for Sample: 80.5

Level (Low/Med): LOW

Client ID: TP-5 Concentration Units ( ug/l or mg/kg dry weight ): MG/KG

	Control	Spiked Semple		Sample		Spike			
A l4 -	Limit	Spiked Sample	С	Result (SR)	С	Added (SA)	%R	С	М
Analyte	%R	Result (SSR)	<del>, C</del>	Result (SK)	ᅮ	Added (SA)	7011	۳	P
Aluminum			<u> </u>		<del> </del>			╂─	
Antimony			├		+				P
Arsenic			<b>!</b> —					<u> </u>	P
Barium_			<u> </u>		—			<u> </u>	Р
Beryllium			ļ				<u> </u>	ļ	P
Cadmium		· · · · · · · · · · · · · · · · · · ·			ļ				P
Calcium _					┸				Р
Chromium								<u> </u>	Р
Cobait									P
Copper									Р
Iron									Р
Lead									Р
Magnesium									Р
Manganese								L	Р
Mercury		<del>,</del>							CV
Nickel									Р
Potassium									Ρ
Selenium									F
Silver	- 1			•					D.
Sodium									Ρ
Thallium									₽
Vanadium									Ρ
Zinc									Р
Cyanide		12.1700		1.2400	U	12.44	97.8		С

Comments:			
	 · · · · · · · · · · · · · · · · · · ·	-	

FORM V (PART 1) - IN



#### 5A SPIKE SAMPLE RECOVERY

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG:No.:

237118

Matrix (Soil/Water): % Soilds for Sample: 81.1

Level (Low/Med): LOW

Client ID:

TP-6

Concentration Units ( ug/l or mg/kg dry weight ): MG/KG

	Control Limit	Spiked Sample		Sample		Spike			
Analyte	%R	Result (SSR)	С	Result (SR)	С	Added (SA)	%R	c	М
Aluminum			Ī						Р
Antimony									Р
Arsenic									Р
Barium					1				Р
Beryllium			<u> </u>		1				Р
Cadmium									Р
Calcium									Р
Chromium					7				Р
Cobalt					1				P
Соррег									Р
iron	1.								Р
Lead					1				P
Magnesium		•••		****					Р
Manganese								<u> </u>	Р
Mercury									CV
Nickel									Р
Potassium									P
Selenium									F
Silver						-			Р
Sodium									Р
Thallium									Ρ
Vanadium									Р
Zinc	1								Ρ
Cyanide		7.6400		1.2300	υ	12.33	61.9	N	С

Comments:			
		***************************************	
	<u></u>	<del></del>	

FORM V (PART 1) - IN



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#### 5B POST SPIKE SAMPLE RECOVERY

עכובו	CAMPLE	M
EPA	SAMPLE	MO

-	TP-5
3	

Lab	Name:	Severn	Trent	Laboratories

Contract: \_\_\_\_\_

SAS No.:

SDG No.:

Matrix (soil/water): Soil

Level (low/med): LOW

# Concentration Units:ug/L

									$\prod$
Analyte	Control Limit %R	Spiked Sample Result (SSR)	С	Sample Result (SR)	С	Spike Added (SA)	%R	Q	M
Aluminum Barium			_		_			_	NR NR
Calcium Copper	50-150	377.18		119.60	_ 	250.0	103.0	_	NR P
Iron Lead			_		  -			<u>-</u>	NR NR NR P NR NR NR NR
Magnesium Zinc	50-150	2173.48	_	654.02	-  -	1500.0	101.3	<u>-</u>	P
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Comments:			

EPA NY049

#### **VOLATILE METHOD BLANK SUMMARY**

EPA SAMPLE NO.

VBLK086

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.: SDG No.: 237118

Lab File ID:

X7892.D

Lab Sample ID: VBLK086

Date Analyzed: 6/18/2004

Time Analyzed: 19:20

GC Column:

DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N)

Υ

Instrument ID: MS#3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TP-5	237118-001	X7893.D	20:16
02	TP-4	237118-002	X7894.D	20:50
03	TP-19	237118-003	X7895.D	21:24

**COMMENTS** 

EPA NY049

M-NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

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#### 1A

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	SAN	<b>JPI</b>	F	NO
	OUI	A1L F		IVO.

Lab Name:	STL Ne	wburgh		Contract:	VBLK086	
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 237118	3
Matrix: (soil/v	vater)	SOIL	<del></del>	Lab Sample	ID: VBLK086	
Sample wt/vo	of:	5.0	(g/ml) G	Lab File ID:	X7892.D	_
Level: (low/m	ned)	LOW	_	Date Receive	ed:	-
% Moisture: r	not dec.	0		Date Analyze	ed: 6/18/2004	_
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilution Facto	or: <u>1.0</u>	-
Soil Extract V	olume:		(uL)	Soil Aliquot V	/olume:	(uL)
				Units: (ug/L o	or ug/Kg) UG/KG	

CAS NO. COMPOUND		RESULT	Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyi Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochioromethane		U .	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		U	10

SEVERN STL NYSDOH 10142

NJDEP 73015 FORM CTDONS PH-0554

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PA 68-378

#### 1E

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

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		I CIVI A	HACELIDEN	HILIED COME	COMPS		LOUZ	100	- 1
Lab Name:	STL Ne	wburgh		Contrac	ct:		VBLK		
Lab Code:	10142	C:	ase No.:	SAS	No.:	SD	G No.:	237118	
Matrix: (soil/	water)	SOIL			Lab Sample	e ID: _	VBLK08	6	
Sample wt/vo	ol:	5.0	(g/ml) G		Lab File ID:	: ]	X7892.D	)	
Level: (low/r	ned)	LOW	_		Date Recei	ved:			
% Moisture:	not dec.	0			Date Analyz	zed: 6	6/18/200	)4	
GC Column:	DB-624	ID: <u>0</u>	.25 (mm)	•	Dilution Fac	ctor: _	1.0		
Soil Extract V	/olume:		(uL)		Soil Aliquot	Volum	ne:		(uL)
Number TICs	s found:	0		CONCENTR (ug/L or ug/k		ITS: /KG			
CAS NO.		СОМРО	UND NAME		RT	EST	CONC	;. ·	Q

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M-NY049

# **VOLATILE METHOD BLANK SUMMARY**

<b>EPA</b>	SAMPI	LE NO.
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VBLK087
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Lab Name:	STL Newburgh	<u> </u>	·	Contract:	
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237118
Lab File ID:	X7897.D			Lab Sample	e ID: VBLK087
Date Analyze	d: 6/19/2004			Time Analy	zed: 21:18
GC Column	DB-624	ID: 0.25	(mm)	Heated Pu	irge: (Y/N) Y

Instrument ID: MS#3

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TP-15	237118-010	X7903.D	0:55
	TP-2	237118-011	X7904.D	1:29
	TP-7	237118-014	X7907.D	3:10
	TP-6	237118-015	X7910.D	4:52
	TP-9	237118-016	X7912.D	6:00

COMMENTS

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#### **1A**

# **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SAMPLE	NO.
-----	--------	-----

Lab Name:	STL Ne	ewburgh	Contract:		-	
Lab Code:	10142	Case No.:	SAS No.:	SDG No	o.: <u>23711</u>	8
Matrix: (soil/w	vater)	SOIL	Lab Sample	ID: VBLK	087	
Sample wt/vo	oi:	5.0 (g/ml) G	Lab File ID:	X789	7.D	_
Level: (low/m	ned)	LOW	Date Receiv	/ed:		-
% Moisture: n	not dec.	0	Date Analyz			_
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Dilution Fac			_
Soil Extract V	olume:	(uL)	Soil Aliquot	Volume: _		_ (uL)
			Units: (ug/L	or ug/Kg)	UG/KG	
CAS NO.		COMPOUND	RI	ESULT		RL
74-87-3		Chloromethane			U	10
74-83-9		Bromomethane			U	10
75-01-4		Vinyl Chloride			U	10
75-00-3		Chloroethane			U	10
75-09-2		Methylene Chloride			U_	10
67-64-1		Acetone			U	10
75-15-0		Carbon Disulfide			U	10
75-35-4		1,1-Dichloroethene			U	10
75-34-4		1,1-Dichloroethane			<u>U</u>	10
67-66-3		Chloroform			U	10
107-06-2		1,2-Dichloroethane			U	10
78-93-3		2-Butanone			U	10
108-05-4		Vinyl Acetate			U	10
71-55-6		1,1,1-Trichloroethane		· .	U	10
56-23-5		Calbon retrachionde			<u>U</u>	10
75-27-4		Bromodichloromethane	<del></del>			10
78-87-5					U	10
1 <u>0061-01-5</u>		cis-1,3-Dichloropropene			U	10
79-01-6		Trichloroethene			U.	10
71-43-2		Benzene			<u> </u>	10
124-48-1		Dibromochloromethane			U	10
110-75-8		2-Chloroethylvinylether			U	10
10061-02-6		trans-1,3-Dichloropropene			U	10 10
79-00-5		1,1,2-Trichloroethane			U	10
75-25-2		Bromoform		<del></del>	U	10
108-10-1		4-Methyl-2-Pentanone			U	10
591 <b>-</b> 78-6		2-Hexanone			U	10
127-18-4		Tetrachloroethene				10
79-34-5		1,1,2,2-Tetrachloroethane			U	10
108-88-3		Toluene			U	10
108-90-7		Chlorobenzene			U	10
100-41-4		Ethylbenzene				10
100-42-5		Styrene			U	10
541- <u>73-1</u>		1,3-Dichlorobenzene				
106-46-7		1,4-Dichlorobenzene			<u>U</u>	10 10
95-50-1		1,2-Dichlorobenzene			U	
1330-20-7		Xylenes, total			U	10 10
540-59-0	<u>_</u>	Total-1,2-Dichoroethene			<u> </u>	10

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#### 1E

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

		1 - 14 17	11:46-110-11		000		VBLKC	107	
Lab Name:	STL Ne	wburgh		Contrac	ot:		VBLKC		
Lab Code:	10142		Case No.:	SAS	No.:	SD	G No.:	23711	8
Matrix: (soil/v	water)	SOIL			Lab Sample	ə ID: 💆	VBLK08	7	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>		Lab File ID:	2	X7897.D		_
Level: (low/n	ned)	LOW_		Date Received:					_
% Moisture: not dec.		0	Date An		Date Analyz	zed: 6	ed: 6/19/2004		
GC Column: DB-624		ID:	0.25 (mm)	Dilution Factor: 1		1.0		_	
Soil Extract Volume:		(uL)		Soil Aliquot Volume:				_ (uL)	
CONCENTS (ug/L or ug/l Number TICs found: 0					ITS: /KG				
CAS NO.		СОМРО	OUND NAME		RT	EST	. CONC		Q



3/90

M-NY049

# 4A VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name:	STL Newburgh	)	(	Contract:	L		
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237118		
Lab File ID:	X7915.D			Lab Sample	e ID: <u>VB</u>	LK088	
Date Analyze	ed: 6/20/2004			Time Analy	zed: <u>19</u> :	52	
GC Column:	DB-624	ID: 0.25	(mm)	Heated Pu	rge: (Y/N	) <u>Y</u>	
Instrument II	D: MS#3						

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TP-10A	237118-019	X7916.D	20:47
- · -	TP-3	237118-020	X7917.D	21:21
	TP-12	237118-004	X7918.D	21:57
-	TP-17	237118-005	X7919.D	22:32
- h	TP-18	237118-006	X7920.D	23:06
–	TP-13	237118-008	X7922.D	0:15
	TP-14	237118-009	X7923.D	0:49
· -	TP-15RE	237118-010RE	X7924.D	1:24
F-	TP-1	237118-012	X7925.D	1:58
	TP-8	237118-013	X7926.D	2:31
· · · ⊢	TP-7RE	237118-014RE	X7927.D	3:06
	TP-6RE	237118-015RE	X7928.D	3:40
·	TP-9DL	237118-016DL	X7929.D	4:14
	VBSPK20	VBSPK20	X7930.D	4:48
· · · -	TP-5MS	237118-001MS	X7931.D	5:22
16	TP-5MSD	237118-001MSD	X7932.D	5:56

DIVIVENTS	COMMENTA

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#### 1A

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	$\Delta$	MPL	F	NO.
-	-	1731 <b>1</b>	_	

RL

	V	OLATIL	E URGANICO ANA	LIOIO DAIA OIILL	•	LOUIZ	000	
Lab Name: S	STL Nev	vburgh		Contract:		VBLK	088	·
Lab Code: 10142		0142 Case No.:		SAS No.:		SDG No.: 237118		
Matrix: (soil/wa	ater)	SOIL		Lab Samp	ole ID:	VBLK08	8	
Sample wt/vol:		5.0	(g/ml) G	Lab File II	<b>)</b> ;	X7915.E	)	_
Level: (low/me	ed)	LOW_		Date Rece	eived:			_
% Moisture: no	t dec.	0		Date Anal	yzed:	6/20/200	)4	_
GC Column: D	B-624	ID:	0.25 (mm)	Dilution Fa	actor:	1.0		<u>-</u>
Soil Extract Vo	lume:		(uL)	Soil Aliquot Volume:				
·				Units: (ug/	L or ug	/Kg) <u>UG</u>	KG	
CAS NO.	C	OMPOL	JND	:	RESUL	т	Q	
							11	

CAS NO.	COMIT COME	 	
74-87-3	Chloromethane	U	10
74-83-9	Bromomethane	U	10
75-01-4	Vinyl Chloride	U	10
75-00-3	Chloroethane	U	10
75-09-2	Methylene Chloride	U	10
67-64-1	Acetone	U	10
75-15-0	Carbon Disulfide	υ	10
75-35-4	1,1-Dichloroethene	U L	10
75-34-4	1,1-Dichloroethane	U	10
67-66-3	Chloroform	U	10
107-06-2	1,2-Dichloroethane	U	10
78-93-3	2-Butanone	· U	10
108-05-4	Vinyl Acetate	U	10
71-55-6	1,1,1-Trichloroethane	U	10
56-23-5	Carbon Tetrachloride	U	10
75-27-4	Bromodichloromethane	U	10
78-87-5	1,2-Dichloropropane	U	10
10061-01-5	cis-1,3-Dichloropropene	U	10
79-01-6	Trichloroethene	U	10
71-43-2	Benzene	U	10
124-48-1	Dibromochloromethane	U	10
110-75-8	2-Chloroethylvinylether	U	10
10061-02-6	trans-1,3-Dichloropropene	U	10
79-00-5	1,1,2-Trichloroethane	 U	10
75-25-2	Bromoform	U	10
108-10-1	4-Methyl-2-Pentanone	U	10
591-78-6	2-Hexanone	U	10
127-18-4	Tetrachloroethene	U _	10
79-34-5	1,1,2,2-Tetrachloroethane	U )	10
108-88-3	Toluene	U	10
108-90-7	Chlorobenzene	U	10
100-41-4	Ethylbenzene	U	10
100-42-5	Styrene	U	10
541-73-1	1,3-Dichlorobenzene	U	10
106-46-7	1,4-Dichlorobenzene	U	10
95-50-1	1,2-Dichlorobenzene	U	10
1330-20-7	Xylenes, total	U	10
540-59-0	Total-1,2-Dichoroethene	U	10

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PA 68-378

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#### 1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
VBI KOSS	

Lab Name:	STL Ne	wburgh		Contrac	ot:			
Lab Code:	10142	Ca	se No.:	SAS	No.:	SDG No.	: <u>2371</u>	118
Matrix: (soil/v	water)	SOIL	_	1	Lab Sample	ID: VBLK	)88	<del></del>
Sample wt/vo	ol:	5.0	(g/ml) G		Lab File ID:	X7915	.D	
Level: (low/n	ned)	LOW	_	I	Date Receiv	ed:		<del></del>
% Moisture:	not dec.	0		1	Date Analyz	ed: 6/20/2	004	
GC Column:	DB-624	ID: 0.	25_ (mm)	· I	Dilution Fact	tor: 1.0		<del></del>
Soil Extract \	/olume:		(uL)	;	Soil Aliquot \	Volume:		(uL)
				CONCENTR				
Number TICs	s found:	0						
CAS NO.		COMPOL	IND NAME		RT	EST. CO	1C.	Q

PA 68-378

#### 4A

### **VOLATILE METHOD BLANK SUMMARY**

<b>EPA</b>	SAMPL	E NO.
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VBLK088A Contract: Lab Name: STL Newburgh SAS No.: SDG No.: 237118 10142 Lab Code: Case No.: Lab Sample ID: VBLK088A Lab File ID: X7915A.D Time Analyzed: 15:17 Date Analyzed: 6/21/2004 Heated Purge: (Y/N) ID: 0.25 (mm) GC Column: DB-624

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA. SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TP-5DL	237118-001DL	X7916A.D	16:11
• ,	TP-16	237118-007	X7917A.D	16:53
-	TP-11	237118-017	X7918A.D	17:49
	TP-10	237118-018	X7919A.D	18:23

**COMMENTS** 

Instrument ID: MS#3

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#### 1A

# **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	SAMPL	E NO
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VBLK088A

Lab Name: ST	L Newburgh	Contract:		
Lab Code: 10			SDG No.: 2371	18
Matrix: (soil/wate	er) SOIL	Lab Sample	ID: VBLK088A	
Sample wt/vol:	5.0 (g/ml) G	Lab File ID:	X7915A.D	
Level: (low/med)			ed:	
% Moisture: not	<del> </del>	Date ∆nalyze	d: 6/21/2004	
		•		<del></del>
GC Column: DB	-624 ID: <u>0.25</u> (mm)		or: <u>1.0</u>	
Soil Extract Volum	me: (uL)	Soil Aliquot V	olume:	(uL)
		Units: (ug/L o	r ug/Kg) UG/KG	
CAS NO.	COMPOUND	RE.	SULT Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Accions		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		UU	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U.	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1.2-Dichoroethene		U	10

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#### 1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E NO.
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Lab Name:	STL Ne	wburgh		Contrac	et:	VBLN	U00A	
Lab Code:	10142	(	Case No.:	SAS	No.:	SDG No.:	23711	B
Matrix: (soil/v	vater)	SOIL		I	Lab Sample	ID: VBLK08	8A	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u> _		ab File ID:	X7915A	.D	-
Level: (low/m	ned)	LOW		I	Date Receiv	ed:		_
% Moisture: r	ot dec.	0		E	Date Analyz	ed: <u>6/21/200</u>	)4	_
GC Column:	DB-624	— ID:	0.25 (mm)	[	Dilution Fact	tor: <u>1.0</u>		_
Soil Extract V	olume:		(uL)	5	Soil Aliquot \	Volume:		(uL)
				CONCENTR (ug/L or ug/K				
Number TICs	found:	0		(ug/E or ag/ix	.g) <u></u>			
CAS NO.		COMP	OUND NAME	,	RT	EST. CONC	o.	Q

NJDEP 73015

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK089

Lab Name:	STL Newburgh	1		Contract:	APEKOGA
Lab Code:	10142	Case No.:		SAS No.: S	SDG No.: 237118
Lab File ID:	X7931.D			Lab Sample ID:	VBLK089
Date Analyze	ed: 6/22/2004			Time Analyzed:	21:11
GC Column:	DB-624	ID: 0.25	(mm)	Heated Purge:	(Y/N) <u>Y</u>
Instrument IE	): MS#3				

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	TP-8RE	237118-013RE	X7935.D	23:35

COMMENTS

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#### 1A

# VOLATILE ORGANICS ANALYSIS DATA SHEET

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Lab Name:	STL Ne	wburgh		Contract:	VBLK089	
Lab Code:	10142	C:	ase No.:	SAS No.:	SDG No.: 237118	
Matrix: (soil/v	vater)	SOIL		Lab Sample ID	: VBLK089	<del></del>
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7931.D	
Level: (low/m	ned)	LOW	_	Date Received	:	
% Moisture: r	not dec.	0		Date Analyzed	: 6/22/2004	
GC Column:	DB-624	ID: 0	.25 (mm)	Dilution Factor	: 1.0	
Soil Extract V	olume:		(uL)	Soil Aliquot Vo	lume:	(uL)

Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride			10
67-64-1	Acetone		υ	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene	•	U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	_ 10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		υ	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
540-59-0	Total-1.2-Dichoroethene		U	10
1330-20-7	Xylenes, total		U	10

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FORM I VOA CTDOHS PH-0554

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#### 1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

		(CNIA)	MACEL INCH	III IED OOM	Ç 0, 15 0	Ver	K089	)
Lab Name:	STL Ne	wburgh		Contrac	ot:			
Lab Code:	10142	Ca	se No.:	SAS	No.:	_ SDG No.	: <u>2371</u>	18
Matrix: (soil/w	vater)	SOIL	_	l	Lab Sample	ID: VBLK	)89	
Sample wt/vo	ol:	5.0	(g/ml) G	, 	Lab File ID:	X7931	.D	
Level: (low/m	ned)	LOW	_	•	Date Receiv	/ed:		
% Moisture: n	not dec.	0		. 1	Date Analyz	ed: 6/22/20	004	
GC Column:	DB-624	ID: 0.	25 (mm)	1	Dilution Fac	tor: 1.0		
Soil Extract V	olume:		(uL)	;	Soil Aliquot	Volume: _		_ (uL)
				CONCENTR				
Number TICs	found:	0	-Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - Mary - M	(ug/L or ug/K	.g) <u></u>			
CAS NO.		COMPOL	JND NAME		RT	EST. CON	1C.	Q

NJDEP 73015

### **VOLATILE METHOD BLANK SUMMARY**

<b>EPA</b>	SAMPL	LE NO
------------	-------	-------

Lab Name:	STL Newburgh	<u>]</u>	(	Contract:	Ľ	DEIXIVIZ (
Lab Code:	10142	Case No.:		SAS No.:	SDG	No.: <u>237118</u>
Lab File ID:	W3583.D			Lab Sam	ple ID: <u>VB</u>	LKM21
Date Analyze	d: 6/21/2004			Time Ana	alyzed: 15:	16
GC Column:	DB-624	ID: <u>0.53</u>	_ (mm)	Heated F	Purge: (Y/N	) <u>N</u>
Instrument IC	): MSD2					

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB LAB	
SAM	PLE NO.	SAMPLE ID	FILE ID	ANALYZED
01 TP-4DL		237118-002DL	W3587.D	17:49

COMMENTS

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#### 1A

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.

Lab Name: STL N	ewburgh	Contract:	BLNWZT	
Lab Code: 10142	Case No.:	SAS No.: SDG N	No.: 2371	18
Matrix: (soil/water)	SOIL	Lab Sample ID: VBL	KM21	
Sample wt/vol:	4.0 (g/ml) G	Lab File ID: W35	583.D	
Level: (low/med)	MED	Date Received:		
% Moisture: not dec.		Date Analyzed: 6/21	/2004	_
•	1 ID: 0.53 (mm)	Dilution Factor: 1.0		_
Soil Extract Volume:	<del></del>	Soil Aliquot Volume:	100	 (uL)
Soli Extract volume.	10000 (UL)	•		
		Units: (ug/L or ug/Kg)	UG/KG	
CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	1200
74-83-9	Bromomethane		U	1200
75-01-4	Vinyl Chloride		U	1200
75-00-3	Chloroethane		U	1200
75-09-2	Methylene Chloride		U	1200
67-64-1	Acetone		U	1200
75-15-0	Carbon Disulfide		U	1200
75-35-4	1,1-Dichloroethene		U	1200
75-34-4	1,1-Dichloroethane		U	1200
67-66-3	Chloroform		U	1200
107-06-2	1,2-Dichloroethane		U	1200
78-93-3	2-Butanone	·	U	1200
108-05-4	Vinyl Acetate		U	1200
71-55-6	1,1,1-Trichloroethane		U	1200
56-23-5	Carbon Tetrachloride		U	1200
75-27-4	Bromodichloromethane		U	1200
78-87-5	1,2-Dichloropropane		U	1200
10061-01-5	cls-1,3-Dichloropropene		U	1200
79-01-6	Trichloroethene		U_	1200
71-43-2	Benzene		Ü	1200
124-48-1	Dibromochloromethane		U	1200
110-75-8	2-Chloroethylvinylether		Ū	1200
10061-02-6	trans-1,3-Dichloropropene		U	1200
79-00-5	1,1,2-Trichloroethane		U	1200
75-25-2	Bromoform		U	1200
108-10-1	4-Methyl-2-Pentanone		U	1200
591-78-6	2-Hexanone		U	1200
127-18-4	Tetrachloroethene		U	1200
79-34-5	1,1,2,2-Tetrachloroethane		U	1200
108-88-3	Toluene		Ų	1200
108-90-7	Chlorobenzene		U	1200
100-41-4	Ethylbenzene		U	1200
100-42-5	Styrene		U	1200
541-73-1	1,3-Dichlorobenzene		U	1200
106-46-7	1,4-Dichlorobenzene		U	1200
95-50-1	1,2-Dichlorobenzene		U	1200
1330-20-7	Xylenes, total		U	1200
540-59-0	Total-1,2-Dichoroethene		U	1200

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PA 68-378

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#### 1E

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

	EPA SAMPLE NO.						
	VBLKM21						
36	OG No.: 237118						
	VBLKM21						
	W/3583 D						

Lab Name: STL Newburgh Contract: SAS No.: S Lab Code: 10142 Case No.: Matrix: (soil/water) SOIL Lab Sample ID: Sample wt/vol: 4.0 (g/ml) G Lab File ID: MED Date Received: Level: (low/med) Date Analyzed: 6/21/2004 % Moisture: not dec. GC Column: DB-624 Dilution Factor: 1.0 ID: 0.53 (mm) Soil Extract Volume: 10000 Soil Aliquot Volume: 100 (uL) (uL) **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/KG Number TICs found:

COMPOUND NAME

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CAS NO.

RT

EST. CONC.

Q

STL Newburgh

#### 4B

#### SEMIVOLATILE METHOD BLANK SUMMARY

SBLK20
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Lab Name:	STL Ne	wburgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.: S	DG No.: 237118
Lab File ID:	E721	44.D	Lab Sample ID:	SBLK20
Instrument iC	):	5972-1	Date Extracted:	6/18/2004
Matrix: (soil/v	vater)	SOIL	Date Analyzed:	6/22/2004
Level: (low/n	ned)	LOW	Time Analyzed:	12:31

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	SBSPK20	SBSPK20	E72145.D	6/22/2004
	TP-15	237118-010	E72146.D	6/22/2004
	TP-18	237118-006	E72147.D	6/22/2004
	TP-10	237118-018	E72148.D	6/22/2004
05	TP-7	237118-014	E72149.D	6/22/2004
	TP-16	237118-007	E72150.D	6/22/2004
	TP-5	237118-001	E72151.D	6/22/2004
08	TP-2	237118-011	E72152.D	6/22/2004
	TP-13	237118-008	E72153.D	6/22/2004
10	TP-10A	237118-019	E72154.D	6/22/2004
11	TP-9	237118-016	E72155.D	6/22/2004
	TP-8	237118-013	E72156.D	6/22/2004
	TP-19	237118-003	E72157.D	6/22/2004
	TP-11	237118-017	E72158.D	6/22/2004
15	TP-12	237118-004	E72159.D	6/22/2004
	TP-6	237118-015	E72160.D	6/22/2004
	TP-14	237118-009	E72161.D	6/22/2004
	TP-1	237118-012	E72162.D	6/22/2004
	TP-11DL	237118-017DL	E72163.D	6/23/2004
	TP-12DL	237118-004DL	E72164.D	6/23/2004
	TP-1DL	237118-012DL	E72165.D	6/23/2004
	TP-4	237118-002	E72166.D	6/23/2004
	TP-3	237118-020	E72167.D	6/23/2004
	TP-17	237118-005	E72168.D	6/23/2004
	TP-4DL	237118-002DL	E72179.D	6/23/2004
26	TP-9DL	237118-016DL	E72174.D	6/23/2004
	TP-5MS	237118-015MS	E72169.D	6/23/2004
	TP-5MSD	237118-015MSD	E72170.D	6/23/2004
	TP-5RE	237118-001RE	E72171.D	6/23/2004
	TP-10ARE	237118-019RE	E72173.D	6/23/2004
	TP-8RE	237118-013RE	E72175.D	6/23/2004
	TP-19RE	237118-003RE	E72176.D	6/23/2004
	TP-14RE	237118-009RE	E72178.D	6/23/2004
	TP-6DL	237118-015DL	E72196.D	6/24/2004

COMMENTS:	·

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M-NY049

#### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMF	LE NO.
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SBLK20		
SBLK20		

Lab Name:	STL Ne	wburgh	Contrac	t:	
Lab Code:	10142	Case No.:	SAS	No.: S	DG No.: 237118
Matrix: (soil/v	vater)	SOIL	l	.ab Sample ID:	SBLK20
Sample wt/vo	ol:	30.0 (g/ml) G		ab File ID:	E72144.D
Level: (low/n	ned)	LOW	[	Date Received:	
% Moisture:	0	decanted:(Y/N)	N [	Date Extracted:	6/18/2004
Concentrated	I Extract '	Volume: 1000 (uL)		Date Analyzed:	6/22/2004
Injection Volu	me: <u>2.</u>	0 (uL)	Ε	Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	NpH:	L	Inits: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	330
108-95-2	Phenol		U	330
95-57-8	2-Chlorophenol		U	330
541-73-1	1,3-Dichlorobenzene		U	330
106-46-7	1,4-Dichlorobenzene		U	330
95-50-1	1,2-Dichlorobenzene		U	330
100-51-6	Benzyl alcohol		U	330
108-60-1	2,2'-oxybis(1-Chloropropane)		U	330
95-48-7	2-Methylphenol		U	330
67-72-1	Hexachloroethane		U	330
621-64-7	N-Nitroso-di-n-propylamine		U	330
106-44-5	4-Methylphenol		U	330
98-95-3	Nitrobenzene		U	330
78-59-1	Isophorone		U	330
88-75-5	2-Nitrophenol		U	330
105-67-9	2,4-Dimethylphenol		U	330
111-91-1	bis(2-Chloroethoxy)methane		U	330
120-83-2	2,4-Dichlorophenol		U	330
120-82-1	1,2,4-Trichlorobenzene		U	330
91-20-3	Naphthalene		U	330
106-47-8	4-Chloroaniline		Ü	330
87-68-3	Hexachlorobutadiene		U	330
59-50-7	4-Chloro-3-methylphenol		U	330
91-57-6	2-Methylnaphthalene		U	330
77-47-4	Hexachlorocyclopentadiene		U	330
88-06-2	2,4,6-Trichlorophenol		U	330
95-95-4	2,4,5-Trichlorophenol		U	830
91-58-7	2-Chloronaphthalene		U	330
88-74-4	2-Nitroaniline		U	830
208-96-8	Acenaphthylene		U	330
131-11-3	Dimethylphthalate		U	330
606-20-2	2,6-Dinitrotoluene		U	330
83-32-9	Acenaphthene		U	330
99-09-2	3-Nitroaniline		U	830
51-28-5	2,4-Dinitrophenol		U	830
132-64-9	Dibenzofuran		U	330
121-14-2	2,4-Dinitrotoluene		U	330

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1C

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK20	
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		1	BLK20	
Lab Name: ST		Contract:		
Lab Code: 10	142 Case No.:	SAS No.: SDG N	No.: 2371	18
Matrix: (soil/wate	r) <u>SOIL</u>	Lab Sample ID: SBL	.K20	
Sample wt/vol:	30.0 (g/ml) <u>G</u>	Lab File ID: E72	144.D	<u> </u>
Level: (low/med)	LOW	Date Received:		
	0 decanted:(Y/N) N	Date Extracted: 6/18	3/2004	
<del></del>	tract Volume: 1000 (uL)	Date Analyzed: 6/22	/2004	_
Injection Volume:		Dilution Factor: 1.0		<del></del>
•	<del></del>			<del></del>
GPC Cleanup: (Y	//N) <u> </u>	Units: (ug/L or ug/Kg)	UG/KG	<del></del>
CAS NO.	COMPOUND	RESULT	Q	RL
100.00.7	4 Nilwanhanai		T U	830
100-02-7	4-Nitrophenol		U	330
86-73-7	Fluorene 4-Chlorophenyl-phenylether		U	330
7005-72-3	Diethylphthalate		Ü	330
84-66-2 100-01-6	4-Nitroaniline		Ü	830
534-52-1	4,6-Dinitro-2-methylphenol		Ū	830
86-30-6	n-Nitrosodiphenylamine (1)		Ū	330
101-55-3	4-Bromophenyl-phenylether		Ū	330
118-74-1	Hexachiorobenzene		U	330
87-86-5	Pentachlorophenol	·	U	830
85-01-8	Phenanthrene		· U	330
120-12-7	Anthracene		U	330
84-74-2	Di-n-butylphthalate		U	330
206-44-0	Fluoranthene		U	330
129-00-0	Pyrene		U	330
85-68-7	Butylbenzylphthalate		U	330
91-94-1	3,3'-Dichlorobenzidine		U	330
56-55-3	Benzo(a)anthracene		U	330
218-01-9	Chrysene		U	330
117-81-7	bis(2-Ethylhexyl)phthalate		U	330
117-84-0	Di-n-octylphthalate		U·_	. 330
205-99-2	Benzo(b)fluoranthene		U	330
207-08-9	Benzo(k)fluoranthene		U	330
50-32-8	Benzo(a)pyrene		U	330
193-39-5	Indeno(1,2,3-cd)pyrene		U	330

62-75-9

53-70-3

191-24-2

330

330

330

n-Nitrosodimethylamine

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

3/90

M-NY049

U

#### 1F

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SBLK20	

Lab Name: STL	Newburgh	Contract:			
Lab Code: 1014	2 Case No.:	SAS No.	: s	SDG No.: 237	7118
Matrix: (soil/water)	SOIL	Lab	Sample ID:	SBLK20	
Sample wt/vol:	30.0 (g/ml) G	Lab	File ID:	E72144.D	
Level: (low/med)	LOW	Dat	e Received:	***************************************	
% Moisture:	0 decanted: (Y/N)	N Dat	e Extracted:	6/18/2004	<del></del>
Concentrated Extra	act Volume: 1000 (uL)	Dat	e Analyzed:	6/22/2004	
Injection Volume:	Dilu	Dilution Factor: 1.0			
GPC Cleanup: (Y/N	N) N pH:				
·		CONCENT	RATION UNI	TS:	
Number TICs found	d: <u>1</u>	(ug/L or ug/l	(g) <u>UG/</u>	KG	
CAS NUMBER	COMPOUND NAME		RT ES	ST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-	4-methyl	5.38	25000	JN

M/NY849

#### SEMIVOLATILE METHOD BLANK SUMMARY

FPA	SAMPL	F	NO.
-	O/ UVII L		110.

SBLK20
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Lab Name:	STL No	ewburgh	Contract:	001.120
Lab Code:	10142	10142         Case No.:         SAS No.:         S           E72144.D         Lab Sample ID:           5972-1         Date Extracted:           ater)         SOIL         Date Analyzed:	SDG No.: 237118	
Lab File ID:	E72	144.D	Lab Sample	ID: SBLK20
Instrument II	<b>)</b> :	5972-1	Date Extract	ed: 6/18/2004
Matrix: (soil/	water)	SOIL	Date Analyze	ed: 6/22/2004
Level: (low/r	ned)	LOW	Time Analyzo	ed: 12:31

## THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
35	TP-17RE	237118-005RE	E72197.D	6/24/2004
	TP-3RE	237118-020RE	E72198.D	6/24/2004

COMMENTS:

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#### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	O 4 3 4 7 1	E NO
EPA	SAMPL	LE NO.

Lab Name:	STL Nev	vburgh		C	Contract:	
Lab Code:	10142	Ca	ase No.:		SAS No.: S	DG No.: 237118
Matrix: (soil/w	vater)	SOIL	_		Lab Sample ID:	SBLK24
Sample wt/vo	al:	30.0	(g/ml) <u>G</u>		Lab File ID:	E72211.D
Level: (low/m	ned)	LOW	_		Date Received:	···
% Moisture:	0	de	canted:(Y/N)	N	Date Extracted:	6/24/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/28/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	N	pH:	-	Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	330
108-95-2	Phenol		U	330
95-57-8	2-Chlorophenol		U _	330
541-73-1	1,3-Dichlorobenzene		U	330
106-46-7	1,4-Dichlorobenzene		U	330
95-50-1	1,2-Dichlorobenzene		U _	330
100-51-6	Benzyl alcohol		U	330
108-60-1	2,2'-oxybis(1-Chloropropane)		U	330
95-48-7	2-Methylphenol		U	330
67-72-1	Hexachioroethane		U	330
621-64-7	N-Nitroso-di-n-propylamine		U	330
106-44-5	4-Methylphenol		U	330
98-95-3	Nitrobenzene		U	330
78-59-1	Isophorone		U	330
88-75-5	2-Nitrophenol		U	330
105-67-9	2,4-Dimethylphenol		U	330
111-91-1	bis(2-Chloroethoxy)methane		U	330
120-83-2	2,4-Dichlorophenol		U	330
120-82-1	1,2,4-Trichlorobenzene		<u> </u>	330
91-20-3	Naphthalene		U	330
106-47-8	4-Chloroaniline		U	330
87-68-3	Hexachlorobutadiene		U	330
59-50-7	4-Chloro-3-methylphenol		U	330
91-57-6	2-Methylnaphthalene	1	U	330
77-47-4	Hexachlorocyclopentadiene		<u>U .</u>	330
88-06-2	2,4,6-Trichlorophenol		U	330
95-95-4	2,4,5-Trichlorophenol		U ·	830
91-58-7	2-Chloronaphthalene		U	330
88-74-4	2-Nitroaniline		U	830
208-96-8	Acenaphthylene		U	330
131-11-3	Dimethylphthalate		U	330
606-20-2	2,6-Dinitrotoluene		<u>U</u> ·	330
83-32-9	Acenaphthene		U	330
99-09-2	3-Nitroaniline		U	830
51-28-5	2,4-Dinitrophenol		U	830
132-64-9	Dibenzofuran		U	330
121-14-2	2,4-Dinitrotoluene		U	330

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#### 1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	Э	
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SBLK24

RL

Lab Name:	STL Nev	vburah		(	Contract:	OBEIGH
			se No.:	_	SAS No.: SI	DG No.: 237118
Lab Code:	10142	Ca	se No			
Matrix: (soil/v	vater)	SOIL	_		Lab Sample ID:	SBLK24
Sample wt/vo	ol:	30.0	(g/ml) G		Lab File ID:	E72211.D
Level: (low/n	ned)	LOW	_		Date Received:	
% Moisture:	0	de	canted:(Y/N)	N	Date Extracted:	6/24/2004
Concentrated Extract Volume: 1000 (uL)				Date Analyzed:	6/28/2004	
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH:	-	Units: (ug/L or ug	g/Kg) <u>UG/KG</u>
CAS NO.	C	OMPOUN	D .		RESUL	.T Q

JAS NU.	COMP COMP		
100-02-7	4-Nitrophenol	U	830_
86-73-7	Fluorene	U	330
7005-72-3	4-Chlorophenyl-phenylether	U	330
84-66-2	Diethylphthalate	Ų .	330_
100-01-6	4-Nitroaniline	U	830
534-52-1	4,6-Dinitro-2-methylphenol	U	830
86-30-6	n-Nitrosodiphenylamine (1)	U	330
101-55-3	4-Bromophenyl-phenylether	U	330
118-74-1	Hexachlorobenzene	U	330_
87-86-5	Pentachlorophenol	Ų	830
85-01-8	Phenanthrene	. U	330
120-12-7	Anthracene	U	330_
84-74-2	Di-n-butylphthalate	U	330_
206-44-0	Fluoranthene	U	330
129-00-0	Pyrene	U	330
85-68-7	Butylbenzylphthalate	U	330
91-94-1	3,3'-Dichlorobenzidine	U	330
56-55-3	Benzo(a)anthracene	U	330_
218-01-9	Chrysene	U	330_
117-81-7	bis(2-Ethylhexyl)phthalate	U	330
117-84-0	Di-n-octylphthalate	U	330_
205-99-2	Benzo(b)fluoranthene	U	330
207-08-9	Benzo(k)fluoranthene	U	330
50-32-8	Benzo(a)pyrene	U	330_
193-39-5	Indeno(1,2,3-cd)pyrene	U	330
62-75-9	n-Nitrosodimethylamine	U	330
53-70-3	Dibenz(a,h)anthracene	U	330
191-24-2	Benzo(g,h,i)perylene	U	330

3/90

M-NY049

#### 1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	
SBLK24	
2.11 007440	_

Lab Name:	STL Ne	wburgh	Contra	ct:		
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: 23711	8
Matrix: (soil/	water)	SOIL		Lab Sample I	D: SBLK24	
Sample wt/vo	ol:	30.0 (g/ml) G		Lab File ID:	E72211.D	_
Level: (low/r	ned)	LOW		Date Receive	d:	_
% Moisture:	0	decanted: (Y/N) _	N	Date Extracte	d: 6/24/2004	_
Concentrated	i Extract	Volume: 1000 (uL)		Date Analyzed	d: 6/28/2004	_
Injection Volu	ıme: <u>2.0</u>	<u>)</u> (uL)		Dilution Facto	r: <u>1.0</u>	
GPC Cleanu	p: (Y/N)	NpH:				
			CONCE	NTRATION U	NITS:	
Number TICs	found:	0	(ug/L or	ug/Kg) <u>U</u>	G/KG	
CAS NUMB	ER	COMPOUND NAME		RT	EST. CONC.	Q

#### 4B

#### SEMIVOLATILE METHOD BLANK SUMMARY

<b>EPA</b>	SAMPL	E NO
------------	-------	------

SBLK24

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.: 237118

Lab File ID:

E72211.D

Lab Sample ID: SBLK24

Instrument ID:

5972-1

Date Extracted: 6/24/2004

Matrix: (soil/water)

SOIL

Date Analyzed: 6/28/2004

Level: (low/med)

LOW

Time Analyzed: 10:57

### THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	SBSPK24	SBSPK24	E72212.D	6/28/2004
02	TP-13RR	237118-008RR	E72213.D	6/28/2004
03	TP-10RR	237118-018RR	E72214.D	6/28/2004
	TP-15RR	237118-010RR	E72215.D	6/28/2004

COMMENTS:

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CTDOHS PH-0554

M-NY049

#### LOD MINAL I SIG DATA SHEET

Client ID: PBLK16 STL Lab No.: PBLK16

Client Name: InteGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: soil

Sample Wt/Vol.: 30 g

Level: Low

Date Collected:
Date Received:

Date Extracted: 6/18/2004
Date Analyzed: 6/22/2004
Report Date: 6/28/2004
Column: DB-5/DB-1701P

Lab File ID: 2HP7948.D

Dilution Factor: 1

CAS No.	Compound	Detection Limit ug/kg	Conc
12674-11-2	Aroclor-1016	*845	ug/kg
11104-28-2	Aroclor-1016 Aroclor-1221	17.0	U
11141-16-5 53469-21-9	Aroclor-1232	17.0 17.0	U
12672-29-6	Aroclor-1242 Aroclor-1248	17.0	U
11097-69-1	Aroclor-1254	17.0 33.0	U
11096-82-5	Araclor-1260	33,0	U
			U

FORM I - PEST

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M-NY049

# PESTICIDE METHOD BLANK SUMMARY

CHA SAMPLE NO.

Lab Name:

STL Newburgh

Contract:

PBLK16

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

Extraction: (SepF/Cont/Sonc) Sonc

.ab Sample ID :

PBLK16

Matrix : (soil/water)

SOIL

Lab File ID:

2hp7948.D

Sulfur Cleanup: (Y/N)

Υ

Date Extracted:

6/18/04

Date Analyzed (1):

6/22/04

Date Analyzed (2):

6/22/04

Time Analyzed (1):

3:20

Time Analyzed (2):

Instrument ID (1):

5890-2

Instrument ID (2):

3:20

GC Column (1):

DB-5

ID: 0.32 (mm)

GC Column (2):

DB-1701P

5890-2

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	75.4	<del></del>
	SAMPLE NO.	SAMPLE NO.	DATE	DATE
1	PBSPK16	PBSPK16	ANALYZED 1	ANALYZED 2
	TP-5	237118-01	6/22/04	6/22/04
3	TP-5MS		6/22/04	6/22/04
	TP-5MSD	237118-01MS	6/22/04	6/22/04
	TP-4	237118-01MSD	6/22/04	6/22/04
L	TP-19	237118-02	6/22/04	6/22/04
	TP-12	237118-03	6/22/04	6/22/04
<u> </u>	TP-17	237118-04	6/22/04	6/22/04
<u> </u>	TP-18	237118-05	6/22/04	6/22/04
	TP-16	237118-06	6/22/04	6/22/04
	P-13	237118-07	6/22/04	6/22/04
<u> </u>	P-14	237118-08	6/22/04	6/22/04
	P-15	237118-09	6/22/04	6/22/04
14 T		237118-10	6/22/04	6/22/04
15 T		237118-11	6/22/04	6/22/04
		237118-12	6/22/04	6/22/04
16 T		237118-13	6/22/04	6/22/04
17 T		237118-14	6/22/04	6/22/04
18 TI	<u> </u>	237118-15	6/22/04	6/22/04
19 TI		237118-16	6/22/04	6/22/04
20 T		237118-17	6/22/04	6/22/04
21 TF		237118-18	6/22/04	6/22/04
22 TF		237118-19	6/22/04	
23 TF		237118-20	6/22/04	6/22/04
24 TF		237118-02 X10	6/23/04	6/22/04
	2-19DL	237118-03 X2	6/25/04	6/23/04
26 TP	-12DL STIN	le237gh18a94t&Gevern Tre	6/25/04	6/25/04
τ. —	, , , , , , , , , , , , , , , , , , ,	removing it is a part of Severn Trea	it Laborate Resulting.	6/25/04

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NJDEP 73015

# . LOTTOIDE WIETHOU BLANK SUMMARY

A SAIVIPLE NO.

Lab Name:

STL Newburgh

Contract:

PBLK16

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

Lab Sample ID :

PBLK16

Lab File ID:

2hp7948.D

Matrix : (soil/water)

SOIL

Extraction: (SepF/Cont/Sonc) Sonc

Sulfur Cleanup: (Y/N)

Υ

Date Extracted :

6/18/04

Date Analyzed (1):

6/22/04

Date Analyzed (2):

6/22/04

Time Analyzed (1):

3:20

Time Analyzed (2):

3:20

Instrument ID (1):

5890-2

Instrument ID (2):

5890-2

GC Column (1):

DB-5

ID: 0.32 (mm)

GC Column (2):

DB-1701P

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

EPA SAMPLE NO.	LAB	DATE	DATE
1 TP-17DL	SAMPLE NO.	ANALYZED 1	DATE
2 TP-18DL	237118-05 X2	6/25/04	ANALYZED 2
3 TP-13DL	237118-06 X10	6/25/04	6/25/04
4 TP-14DL	237118-08 X2	6/25/04	6/25/04
5 TP-15DL	237118-09 X10	6/25/04	6/25/04
6 TP-1DL	237118-10 X10	6/25/04	6/25/04
7 TP-8DL	237118-12 X10	6/25/04	6/25/04
B TP-3DL	237118-13 X10	6/25/04	6/25/04
7 TP-5DL	237118-20 X10	6/25/04	6/25/04
	237118-01 X20	6/25/04	6/25/04
TP-10ADL	237118-19 X10	6/25/04	6/25/04
		0/25/04	6/25/04
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CTEMPANOSAY PESTPANYOS

315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

M-NY08/90

Client ID: PBLK16 STL Lab No.: PBLK16

Client Name: InteGreyated International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: soil

Sample Wt/Vol.: 30 g

Level: Low

Date Collected: Date Received:

Date Extracted: 6/18/2004
Date Analyzed: 6/22/2004
Report Date: 6/28/2004
Column: Rtx-CLPest
Lab File ID: HP6832.D

Dilution Factor: 1

		Detection	
CAS No.	Compound	Limit	Conc
		ug/kg	ug/kg
319-84-6	alpha-BHC	<u> </u>	
319-85-7	beta-BHC	1.70	IJ
319-86-8	delta-BHC	1.70	U
58-89-9	gamma-BHC(Lindane)	1,70	Ü
76-44-8	Heptachlor	1.70	Ū
309-00-2	Aldrin	1.70	Ŭ
1024-57-3	Heptachlor Epoxide	1.70	U
959-98-8	Endosulfan I	1.70	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	Ü
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3 3.3	U
1031-07-8	Endosulfan Sulfate	***************************************	Ŋ
50-29-3	4,4'-DDT	3.3 3.3	U
72-43-5	Methoxychlor	3.3 17.0	U
7421-36-3	Endrin Aldehyde	3.3	U
57-74-9	Technical Chlordane	17.0	IJ
8001-35-2	Toxaphene	33.0	U
		23;U	Π



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NJDEP 73015

# PESTICIDE METHOD BLANK SUMMARY

Lab Name:

STL Newburgh

Contract:

PBLK16

EPA SAMPLE NO.

Lab Code: 10142

Case No.:

SAS No .:

SDG No.:

Lab Sample ID:

PBLK16

Extraction: (SepF/Cont/Sonc) Sonc

Matrix: (soil/water)

SOIL

Lab File ID:

HP6447.d

Sulfur Cleanup: (Y/N)

Υ

Date Extracted:

6/18/04

Date Analyzed (1):

6/22/04

Date Analyzed (2):

Time Analyzed (1):

23:53

Time Analyzed (2):

6/22/04

Instrument ID (1):

5890-1

Instrument ID (2):

23:53

GC Column (1):

Rtx-CLPest

ID: 0.32 (mm)

GC Column (2):

Rtx-CLPest2

5890-1

ID: 0.32mi

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

EPA SAMPLE NO.	LAB	DATE	DATE
1 PBSPK16	SAMPLE NO.	ANALYZED 1	ANALYZED
2 TP-5	PBSPK16	6/23/04	6/23/04
3 TP-5MS	237118-01	6/25/04	6/25/04
4 TP-5MSD	237118-01MS	6/23/04	6/23/04
5 TP-4	237118-01MSD	6/23/04	6/23/04
6 TP-19	237118-02	6/25/04	6/25/04
7 TP-12	237118-03	6/23/04	6/23/04
8 TP-17	237118-04	6/23/04	6/23/04
	237118-05	6/23/04	6/23/04
9 TP-18	237118-06	6/25/04	6/25/04
0 TP-16	237118-07	6/25/04	6/25/04
1 TP-13	237118-08	6/25/04	6/25/04
2 TP-14	237118-09	6/25/04	6/25/04
3 TP-15	237118-10	6/23/04	6/23/04
TP-2	237118-11	6/25/04	6/25/04
TP-1	237118-12	6/23/04	6/23/04
TP-8	237118-13	6/23/04	6/23/04
TP-7	237118-14	6/25/04	6/25/04
TP-6	237118-15	6/23/04	6/23/04
TP-9	237118-16	6/25/04	6/25/04
TP-11	237118-17	6/23/04	
TP-10	237118-18	6/23/04	6/23/04
TP-10A	237118-19	6/25/04	6/23/04
TP-3	237118-20	6/23/04	6/25/04
		0/20/04	6/23/04
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ATI VI	awturgh is a part of Savern Trent Labora		

NYSDOH 10142

NJDEP 73015

CTDOHS PHOSIRM IV ERRECOS

PA 68-378

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M-NY049

#### 3 BLANKS

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

Lab	Name:	STL Newb	ourgh	Contract:	
Lab	Code:	10142	Case No.:	SAS No.:	SDG No.:
Prep	aratio	n Blank	Matrix (soil/water):	soil	

Analysta	Initial Calib. Blank	Ε	inuing Cali Blank (ug/L	)	C	Prepa- ration	7.4
Analyte  Aluminum Arsenic Beryllium 'admium Chromium Cobalt Copper Iron Magnesium Nickel Silver Vanadium Zinc	(ug/L) C	1	2 -,	C 3		0.6 U 0.1 U 0.1 U 0.1 U 0.7 U 4.4 B 0.5 U 0.7 U 2.1 B	
					—     —		

FORM III - IN

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SEVERN STL

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#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	:	
Preparation	n Blank	Concentration Units	(ug/L or mg/kg):	<u></u>

Analyte	Initial Calib. Blank (ug/L)	C	Cont	B. C	nuing Cal lank (ug/ 2	ib L) C	ı	С	Prepa- ration Blank	С	М
Aluminum Arsenic Peryllium Calcium Chromium Cobalt Copper Iron Magnesium Nickel Silver Vanadium Zinc			69.6 2.7 0.4 0.6 -700.5 0.7 3.2 3.3 35.2 70.8 2.6 1.9 3.3								

FORM III - IN

ILM04.0

SEVERN STL

#### 3 BLANKS

Lab Name:	STL New	burgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: soil	

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

l <del></del>			1 1	. 1	
Analyte	Initial Calib. Blank (ug/L) C	Continuing Calibration Blank (ug/L) C 2 C 3 C	Prepa- ration Blank C		М
Aluminum Barium Calcium Jopper Iron Lead Magnesium Zinc	18.2 <u>U</u> 2.7 <u>B</u> 299.1 <u>B</u> 1.6 <u>U</u> 16.8 <u>U</u> 10.7 <u>B</u> 3.9 <u>U</u>	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.1 B 		
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FORM III - IN

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#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	·	
Preparation	on Blank	Concentration Units	(ug/L or mg/kg):	

Analyte	Initial Calib. Blank (ug/L)	C	1	B. C	nuing Cal lank (ug/ 2	ib: L) C	С	Prepa- ration Blank	С	М
Aluminum Barium Calcium Copper Iron Lead Magnesium			18.2 1.4 285.5 1.6 16.8 1.1 9.4 3.9		39.9 1.4 311.6 1.6 19.9 1.3 47.1 3.9				  -  -  -  -  -  -	
Zinc		- - - - -	3.9	<u> </u>	3.9	0				<u>-</u>
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FORM III - IN

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EPA NY049

#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)		
Preparatio	on Blank	Concentration Units	(ug/L or mg/kg):	

Analyte	Initial Calib. Blank (ug/L)	C	Cont	Ei B C	nuing Cal lank (ug/ 2	ib L) C		C	Prepa- ration Blank	С	M
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Selenium	1.3	브	1.3	ᅩ	<u> </u>	=	<del></del>	<u>-</u>		-	1
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FORM III - IN

ILM04.0



#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	:	
Preparation	on Blank	Concentration Units	(ug/L or mg/kg):	_

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Analyte	Initial Calib. Blank (ug/L)	С	Con	Ei: B: C	nuing Cal lank (ug/ 2	ib L) C	ration 3	C	Prepa- ration Blank	C	М
Selenium		i —	1.3	<u></u>	1.3	ΙŪ	1.3	ו ט		-	F
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FORM III - IN

ILM04.0



#### 3 BLANKS

Lab Name:	STL New	burgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)		
Prenaratio	on Blank	Concentration Units	(ua/L or ma/ka):	

Analyte	Initial Calib. Blank (ug/L)	С		ti B C	nuing Cal lank (ug/ 2	ib L) C		C	Prepa- ration Blank	С		М
Selenium		_	1.3	Ū	1.3	<u>ט</u>	1.3	Δ		- -		F
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FORM III - IN

ILM04.0



#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: soil_	

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

,		1						<u> </u>	Т	т—
Analyte	Initial Calib. Blank (ug/L) C	Cont	cin Bl C	nuing Cal lank (ug/ 2	ib: L) C	ration 3	С	Prepa- ration Blank (	C	М
Selenium	1.3 <u>U</u>	1.3	$\overline{\underline{\mathtt{U}}}$	1.6	B			0.3		F
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FORM III - IN

ILM04.0



#### 3 BLANKS

Lab Name:	STL Newburgh	Contract:	•
Lab Code:	10142 Case No.:	SAS No.:	SDG No.:
Preparation	on Blank Matrix (soil/water)	: soil	

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Initial Calib. Blank (ug/L) C		ti: B: C	nuing Cal lank (ug/ 2	ib L) C		С	Prepa- ration Blank	С	М
Mercury	0.4 <u>U</u>	0.4	$\overline{\underline{U}}$	0.4	Ū	0.4	ᄪ	0.048	$\overline{\underline{U}}$	CV
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FORM III - IN

ILM04.0

STL Newburgh is a part of Severn Trent Laboratories, Inc.

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 3 BLANKS

Lab Name: STL No	ewburgh	Contract:	
Lab Code: <u>10142</u>	Case No.:	SAS No.:	SDG No.:
Preparation Blan	nk Matrix (soil/water)	:	
Preparation Blan	nk Concentration Units	(ug/L or mg/kg):	<u> </u>

Analyte	Initial Calib. Blank (ug/L)	C	Con	ti B C	nuing Cal lank (ug/ 2	ib L)	С	Prepa- ration Blank	С	М
Mercury			0.4	<u> </u>	0.4	<u> </u>	  -  -		  -  -	<u> </u>
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FORM III - IN

ILM04.0

SEVERN STL

#### 3 **BLANK**

Lab Name:

STL NEWBURGH

10142

Contract:

SDG No.:

237118

ab Code: Sample Blank Matrix (Soll/Water): SOIL
Preparation Blank Concentration Units (ug/l or mg/kg):

MG/KG

Analyte	Initial Calib. Blank (ug/l)	С	1	С		uing Calib 2	ration Blanks C	3	С	Prepa- ration Blank	С	М
Aluminum	(-5.7											<u>                                     </u>
Antimony								<u> </u>				
Arsenic											<u> </u>	
Barium											4	1
Beryllium								<u> </u>		ļ	1-	
Cadmium												igspace
Calcium												igwdown
Chromium								ļ		ļ		⊢⊢
Cobalt				<u> </u>				ļ				$\vdash \vdash \vdash$
Copper											<del></del>	igwdap
iron								<del>                                     </del>				$\vdash \vdash \vdash$
Lead								<del>                                     </del>				$\vdash \vdash \vdash$
Magnesium								- <del> </del>			-	$\vdash \vdash \vdash$
Manganese								<u> </u>			<del> </del>	<del>  </del>
Mercury					<u> </u>						+	<del></del>
Nickel											+	
Potassium					<u> </u>			<del> </del>			+	$\vdash \vdash \vdash$
Selenium					<del> </del>			<del>                                     </del>		<u> </u>	+	$\vdash$
Silver							····	<del> </del>				Н
Jodium					<del> </del>					<u> </u>	+	$\vdash$
Thallium								·		·	+	$\vdash\vdash\vdash$
Vanadium					-			<del>                                     </del>			+	$\vdash \vdash \vdash$
Zinc			<b></b>		1			400		4.0	U	С
Cyanide	10.0	U	10.0	U	10.0		U	10.0	<u>U</u>	1.0	ĮU	

#### 3 BLANK

Lab Name:

STL NEWBURGH

Preparation Blank Concentration Units (ug/l or mg/kg):

Contract:

MG/KG

237118

ab Code:

10142

Sample Blank Matrix (Soil/Water): SOIL

SDG No.:

Analyte	Initial Calib. Blank (ug/l)	С	1	С	Continuin 2	g Calibration B	lanks	3	С	Prepa- ration Blank	С	М
Aluminum									↓	1	-	<b> </b>
Antimony_									4		<del> </del>	
Arsenic					<u> </u>				<del> </del>	1		4
Barium									<del> </del>			<del>  </del>
Beryllium					<u> </u>				<del>  -</del>	- <del> </del>		$\vdash$
Cadmium					<u> </u>				₩	ļ	+-	$\vdash$
Calcium										<u></u>		+-+
Chromium					ļ			···	<del> </del>			┼
Cobalt									<del> </del>	ļ	+ -	<del>  </del>
Copper									╄			igwdown
Iron									₩		+	<del>                                     </del>
Lead									┼		+	╀
Magnesium									↓		+	$\vdash \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$
Manganese									-		-	₩
Mercury									-	<del>                                     </del>	+	$\vdash$
Nickel					ļ				├	<del>  </del>	+	┼
Potassium					ļ				-		+	┼─┤
Selenium					<u> </u>				<del> </del>		╬	
Silver									ļ	<del>                                     </del>	-	$\vdash\vdash\vdash$
odium								<del>.</del>	├			$\vdash \vdash \vdash$
<sub>[</sub> Thallium									<del> </del>	<b> </b>	-	
Vanadium			<u> </u>						$\vdash$	L	+	<del>  </del>
Zinc						<del> </del>	<del></del>		1,1	1.0	1	С
Cyanide	10.0	U	10.0	U	10.0	U	10.0		U	1.0	U	<u></u>

Lab Name:	STL Newb	urgh		Contract:					
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237118				
Lab File ID (	Standard):	XS852.D	<u>_</u>		Date Analyzed:	6/18/2004			
Instrument II	D: MS#3				Time Analyzed:	15:44			
GC Column:	DB-624	ID: 0.25	(mm)		Heated Purge: (	Y/N) <u>N</u>			

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1227059	11.14	3595348	12.72	2828897	17.18
UPPER LIMIT	2454118	11.64	7190696	13.22	5657794	17.68
LOWER LIMIT	613530	10.64	1797674	12.22	1414449	16.68
EPA SAMPLE NO.						
VBLK086	1211069	11.14	3536824	12.72	2774042	17.18
2 TP-5	1251629	11.14	3245466	12.72	2394805	17.18
3 TP-4	1151773	11.14	3191498	12.72	2204465	17.18
TP-19	968364	11.14	2478283	12.72	1574417	17.18

IS1 (BCM) = Bromochloromethane IS2 (DFB) = 1,4-Difluorobenzene IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required இடுப்றுitsa part of Severn Trent Laboratories, Inc.



Lab Name:	STL Newb	urgh		Contract: _						
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237118					
Lab File ID (	Standard):	XS856.D			Date Analyzed:	6/19/2004				
instrument IC	D: <u>MS#3</u>				Time Analyzed:	20:27				
GC Column:	DB-624	ID: 0.25	(mm)		Heated Purge: (	Y/N) Y				

	,	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	1199974	11.13	3740561	12.72	3001808	17.18
	UPPER LIMIT	2399948	11.63	7481122	13.22	6003616	17.68
	LOWER LIMIT	599987	10,63	1870281	12.22	1500904	16,68
	EPA SAMPLE NO.				· · · · · · · · · · · · · · · · · · ·		
01	VBLK087	1181279	11.14	3536869	12.72	2860284	17.18
02	TP-15	833357	11.14	2277373	12.72	1271021 *	17.18
03	TP-2	760304	11.14	2573433	12.72	1573044	17.18
04	TP-7	570187 *	11.14	1764865 *	12.72	1142666 *	17.18
05	TP-6	743765	11.14	2193374	12.72	1449786 *	17.18
06	TP-9	882550	11.14	2675071	12.72	1699551	17.18

IS1 (BCM) = Bromochloromethane

IS2 (DFB) = 1,4-Difluorobenzene

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required @ Guigniles part of Severn Trent Laboratories, Inc.



EPA NY049

Lab Name:	STL Newb	lewburgh		Contract: _		_
Lab Code:	10142	Case No.:		SAS No.:	SDG N	o.: <u>237118</u>
Lab File ID (	Standard):	XS857.D	_		Date Analyzed:	6/20/2004
Instrument II	D: MS#3			•	Time Analyzed:	19:03
GC Column:	DB-624	ID: 0.25	(mm)		Heated Purge: (\	Y/N)Y

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1199909	11.13	3512458	12.72	2777822	17.18
UPPER LIMIT	2399818	11.63	7024916	13.22	5555644	17.68
LOWER LIMIT	599955	10.63	1756229	12.22	1388911	16.68
EPA SAMPLE NO.	·					
01 VBLK088	1154242	11.13	3315614	12.72	2655334	17.18
02 TP-10A	929211	11.13	2421279	12.72	1588362	17.18
03 TP-3	915542	11.14	2631710	12.72	1632798	17.18
04 TP-12	952863	11.14	2578737	12.72	1462168	<u> 17.18</u>
05 TP-17	1161839	11.14	2567054	12.72	1810769	17.18
06 TP-18	815398	11.14	2648030	12.72	1848419	17.18
07 TP-13	1000668	11.14	2605990	12.72	1660325	17.18
08 TP-14	859879	11.14	2358867	12.72	1405762	17.18
09 TP-15RE	797267	11.14	2275151	12.72	1346572 *	17.18
10 TP-1	824582	11.14	2382985	12.72	1556919	17.18
11 TP-8	676051	11.14	1731172 *	12.72	913570 *	17.18
12 TP-7RE	696590	11.14	2158747	12.72	1314008 *	17.18
13 TP-6RE	631395	11.14	1985276	12.72	1210240 *	17.18
14 TP-9DL	895722	11.14	2796884	12.72	1979130	17.18
15 VBSPK20	1048879	11.14	3110294	12.72	2534679	17.18
16 TP-5MS	881484	11.14	2423588	12.72	1613217	17.18
17 TP-5MSD	937572	11.14	2502915	12.72	1837570	17.18

Bromochloromethane (BCM) IS1 1,4-Difluorobenzene IS2 (DFB)

= Chlorobenzene-d5 IS3 (CBZ)

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required @@listits a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerion Avenue New**by (g))** NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Lab Name: STL Newb Lab Code: 10142		urgh	Contract:		<u> </u>
		Case No.:	SAS N	o.: SDG N	o.: <u>237118</u>
Lab File ID (	Standard):	XS858.D		Date Analyzed:	6/21/2004
Instrument II	D: MS#3_			Time Analyzed:	13:59
GC Column:	DB-624	ID: 0.25	(mm)	Heated Purge: (	Y/N) <u>Y</u>

	IS1(BCM) AREA #	RT_#	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1165402	11.13	3346773	12.71	2704497	17.17
UPPER LIMIT	2330804	11.63	6693546	13.21	5408994	17.67
LOWER LIMIT	582701	10.63	1673387	12.21	1352249	16.67
EPA SAMPLE NO.						
1 VBLK088A	985436	11.13	3181565	12.71	2401486	17.17
2 TP-5DL	1057882	11.13	3022390	12.72	2426017	17.18
3 TP-16	907978	11.13	2314992	12.71	1549637	17.17
4 TP-11	1361639	11.13	2802654	12.71	1774425	17.17
5 TP-10	891317	11.14	2481563	12.72	1480987	17.18

= Bromochloromethane (BCM) IS1

IS2 (DFB) = 1,4-Difluorobenzene

= Chlorobenzene-d5 IS3 (CBZ)

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required @@olimits a part of Severn Trent Laboratories, Inc.



FORM VIII VOA CTDOHS PH-0554

EPA NY049

STL Newburgh

Lab Name: STL Newb		urgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237	118
Lab File ID (	Standard):	XS860.D	Date	e Analyzed: <u>6/22/20</u>	04
instrument il	D: MS#3		Time	e Analyzed: 14:00	<u></u>
GC Column:	DB-624	ID: 0.25 (mm	) Hear	ted Purge: (Y/N) _	Υ

	IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD	1103576	11.13	3035066	12.72	2388363	17.18
UPPER LIMIT	2207152	11.63	6070132	13.22	4776726	17.68
LOWER LIMIT	551788	10.63	1517533	12.22	1194182	16.68
EPA SAMPLE						
NO.						
1 VBLK089	1162092	11.13	3084785	12.72	2474747	17.18
2 TP-8RE	645919	11.14	1455725 *	12.72	769712 *	17.18

Bromochloromethane (BCM) IS1 = 1,4-Difluorobenzene IS2 (DFB)

= Chlorobenzene-d5 IS3 (CBZ)

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required @Colimits a part of Severn Trent Laboratories, Inc.

FORM VIII VOA CTDOHS PH-0554

PA 68-378

315 Fullerion Avenue Nev 3 (20) NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

STL Newburgh

Lab Name: STL Newburgh		urgh		_		
Lab Code:	10142	Case No.:		SAS No.:	SDG N	o.: <u>237118</u>
Lab File ID (	Standard):	WS538.D			Date Analyzed:	6/21/2004
Instrument II	D: MSD2				Time Analyzed:	13:28
GC Column:	DB-624	ID: 0.53	(mm)		Heated Purge: (	Y/N) <u>N</u>

,	IS1(BCM) AREA #	RT _#	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA_#	RT #
12 HOUR STD	1124485	9.41	2665332	11.26	2071979	15.94
UPPER LIMIT	2248970	9.91	5330664	11.76	4143958	16.44
LOWER LIMIT	562243	8.91	1332666	10.76	1035990	15.44
EPA SAMPLE NO.	·					
1 VBLKM21	1104475	9.39	2569877	11.26	2035917	15.93
2 TP-4DL	1028681	9.40	2454747	11.26	1892805	15.94

= Bromochloromethane IS1 (BCM) = 1,4-Difluorobenzene IS2 (DFB)

IS3 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required @ Vignits part of Severn Trent Laboratories, Inc.



EPA NY049

#### 8B

# SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL Newburgh  Lab Code: 10142 Case No.:		Contract:			
		Case No.:	SAS No.:	SDG No.: 237118	
Lab File ID (	Standard):	CCV2414.D	Date	e Analyzed: 6/22/2004	
Instrument it	D: 5972-1		Time	e Analyzed: 11:53	

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT_#	IS3(ANT) AREA #	RT #
12 HOUR STD	598897	7.88	1962107	10.35	1091933	13.86
UPPER LIMIT	1197794	8.38	3924214	10.85	2183866	14.36
LOWER LIMIT	299449	7.38	981054	9.85	545967	13.36
EPA SAMPLE NO.						
01 SBLK20	574725	7.91	1857745	10.35	1004550	13.85
02 SBSPK20	455181	7.89	1460652	10.35	810372	13.86
03 TP-15	537763	7.89	1749029	10.34	949703	13.85
04 TP-18	527793	7.89	1703080	10.34	915042	13.86
05 TP-10	562965	7.89	1751253	10.34	952802	13.85
06 TP-7	570434	7.90	1776111	10.35	945545	13.86
07 TP-16	548489	7.89	1720884	10.34	976824	13.85
08 TP-5	535654	7.91	1812994	10.35	988648	13.87
09 TP-2	524433	7.90	1699826	10.35	974572	13.86
10 TP-13	543908	7.90	1807065	10.34	1046532	13.85
11 TP-10A	539018	7.90	1880681	10.35	1076317	13,88
12 TP-9	564269	7.91	1878298	10.35	1112544	13.86
13 TP-8	539073	7.89	1778666	10.35	991828	13.87
14 TP-19	527308	7.89	1760084	10.35	1073745	13.86
15 TP-11	534541	7.91	1829834	10.35	966536	13.89
16 TP-12	485261	7.91	1640544	10.35	959613	13.88
17 TP-6	411404	7.90	1417747	10.34	823113	13.88
18 TP-14	379840	7.90	1284152	10.35	836663	13.86
19 TP-1	345185	7.88	1168065	10.35	365857*	14.00

= 1,4-Dichlorobenzene-d4 IS1 (DCB)

(NPT) Naphthalene-d8 IS2 Acenaphthene-d10 (ANT) IS3

Phenanthrene-d10

IS4 (PHN) Chrysene-d12

(CRY) **IS5** Perylene-d12 **IS6** (PRY)

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QCALINGHS a part of Severn Trent Laboratories, Inc.

PA 68-378

Lab Name: STL Newburgh		urgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237118
Lab File ID (	Standard):	CCV2414.D	Date /	Analyzed: <u>06/</u>	22/04
Instrument II	D: 5972-1		Time /	Analyzed: 11:	53

,	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1763264	16.84	1262933	22.18	986689	24.85
UPPER LIMIT	3526528	17.34	2525866	22.68	1973378	25.35
LOWER LIMIT	881632	16.34	631467	21.68	493345	24.35
EPA SAMPLE NO.						
01 SBLK20	1499441	16.84	1341529	22.17	1196661	24.84
02 SBSPK20	1238456	16.84	1085786	22.17	1011193	24.85
03 TP-15	1577862	16.84	1165396	22.16	962761	24.84
04 TP-18	1443183	16.84	1070290	22.18	799719	24.85
05 TP-10	1483192	16,85	1220750	22.17	981186	24.84
06 TP-7	1511603	16.86	1280141	22.19	836234	24.85
07 TP-16	1515589	16.86	1167627	22.22	803565	24.86
08 TP-5	1384834	16.90	378503*	22.31	221323*	24.89
09 TP-2	1691050	16.85	1355635	22.19	726016	24.86
10 TP-13	1816261	16.84	1056963	22.20	426281 *	24.87
11 TP-10A	1417136	16.93	765934	22.28	349020*	24.88
12 TP-9	1531771	16.90	756159	22.27	322972*	24.88
13 TP-8	1445466	16.90	677692	22.24	307313*	24.88
14 TP-19	1858253	16.86	809670	22.24	303095*	24.89
15 TP-11	900433	17.00	295915*	22.29	148227*	24.88
16 TP-12	1151501	16.93	356757*	22.29	153971 *	24.88
17 TP-6	860412*	16.95	199670*	22.28	83131 *	24.88
18 TP-14	1492056	16.86	409081*	22.22	154924 *	24.88
19 TP-1	270507*	17.08	69360*	22.27	30153*	24.91

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required Acolimits a part of Severn Trent Laboratories, Inc.

#### 8B

## SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	Lab Name: STL Newburgh		Contract:		_	
Lab Code:	10142	Case No.:	SAS No.:	SDG N	lo.: <u>237118</u>	
Lab File ID (	Standard):	CCV2415.D	Da	te Analyzed:	6/23/2004	
Instrument II	D: 5972-1		Tin	ne Analyzed:	8:34	

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	335439	7.86	1141324	10.33	637859	13.84
UPPER LIMIT	670878	8.36	2282648	10.83	1275718	14.34
LOWER LIMIT	167720	7.36	570662	9.83	318930	13.34
EPA SAMPLE NO.						
01 TP-11DL	373853	7.87	1231601	10.33	675179	13.84
02 TP-12DL	396730	7.88	1324099	10.33	741729	13.85
03 TP-1DL	366867	7.86	1185699	10.33	439609	13.93
04 TP-4	353611	7.86	1235770	10.33	738562	13,85
05 TP-3	362315	7.87	1317785	10.33	797975	13.86
06 TP-17	426852	7.88	1525828	10.33	919044	13.84
07 TP-4DL	412747	7.86	1378053	10.33	784291	13.83
08 TP-9DL	488795	7.88	1622660	10.34	918818	13.85
09 TP-5MS	450924	7.89	1518816	10.34	878053	13.86
10 TP-5MSD	440987	7.89	1520582	10.34	909878	13.85
11 TP-5RE	382352	7.89	1330968	10.33	781574	13.85
12 TP-10ARE	414710	7.88	1425753	10.33	853552	13.86
13 TP-8RE	412273	7.86	1408851	10.33	846726	13.85
14 TP-19RE	419297	7.86	1402878	10.33	856452	13.85
15 TP-14RE	448058	7.88	1562994	10.33	930292	13.84

= 1,4-Dichlorobenzene-d4 IS1 (DCB)

IS2 (NPT) = Naphthalene-d8

= Acenaphthene-d10 IS3 (ANT)

IS4 (PHN) Phenanthrene-d10

Chrysene-d12 IS5 (CRY) Perylene-d12 IS6 (PRY)

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required Q Chiling is a part of Severn Trent Laboratories, Inc.

Lab Name:	STL Newb	urgh	Contract:	<del></del>	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237118	
Lab File ID (	Standard):	CCV2415.D	Date	Analyzed: 06/23/04	
Instrument II	D: 5972 <b>-</b> 1		Time	e Analyzed: 8:34	

,	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT#
12 HOUR STD	1063082	16.83	829838	22.17	684878	24.84
UPPER LIMIT	2126164	17.33	1659676	22.67	1369756	25.34
LOWER LIMIT	531541	16.33	414919	21.67	342439	24.34
EPA SAMPLE NO.		·				
01 TP-11DL	1032771	16.87	733313	22.22	467035	24.87
02 TP-12DL	1097891	16.86	627591	22.23	332893*	24.86
03 TP-1DL	429765*	16.99	209990*	22.25	93468*	24.89
04 TP-4	1073355	16.87	311491*	22.27	131152*	24.88
05 TP-3	1021860	16.90	315980*	22.25	107315*	24.87
06 TP-17	1456504	16.85	539237	22.21	200023*	24.87
07 TP-4DL	1286453	16.83	1030206	22.18	434434	24.85
08 TP-9DL	1374339	16.86	830201	22,22	357226	24.87
09 TP-5MS	1307412	16.87	348067*	22.28	163984*	24.88
10 TP-5MSD	1320108	16.88	329189*	22.29	149291*	24.88
11 TP-5RE	1131169	16.88	269221*	22.28	123500*	24.88
12 TP-10ARE	1200022	16.90	503160	22.25	191938*	24.87
13 TP-8RE	1250913	16.88	471872	22.23	173183*	24.87
14 TP-19RE	1427373	16.84	579688	22.22	213604*	24.87
15 TP-14RE	1449761	16.84	401072*	22.20	146261*	24.87

= 1,4-Dichlorobenzene-d4 IS1 (DCB)

Naphthalene-d8 IS2 (NPT)

Acenaphthene-d10 IS3 (ANT)

Phenanthrene-d10 (PHN) IS4

Chrysene-d12 (CRY) **IS5** 

**IS6** (PRY) Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QColimits a part of Severn Trent Laboratories, Inc.

STL Newburgh

Lab Name:	STL Newb	urgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237	7118
Lab File ID (	Standard):	CCV2416.D	Date	Analyzed: 6/24/2	004
Instrument II	D: 5972-1		Time	Analyzed: 12:30	

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	521204	7.84	1727671	10.32	966703	13.82
UPPER LIMIT	1042408	8.34	3455342	10.82	1933406	14.32
LOWER LIMIT	260602	7.34	863836	9.82	483352	13.32
EPA SAMPLE NO.						
TP-6DL	701224	7.85	2332458	10.31	1124607	13.83
TP-17RE	699454	7.86	2386859	10.30	1266286	13.82
TP-3RE	633307	7.86	2126371	10.31	1095425	13.84

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required Quiling its a part of Severn Trent Laboratories, Inc.



Lab Name:	STL Newb	urgh	Contract:		_
Lab Code:	10142	Case No.:	SAS No.:	SDG N	o.: <u>237118</u>
Lab File ID (	Standard):	CCV2416.D		Date Analyzed:	06/24/04
Instrument II	D; 5972-1		•	Time Analyzed:	12:30

,	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1507576	16.82	1027797	22.16	781001	24.83
UPPER LIMIT	3015152	17.32	2055594	22.66	1562002	25.33
LOWER LIMIT	753788	16.32	513899	21.66	390501	24.33
EPA SAMPLE NO.				:		···
1 TP-6DL	1373687	16.87	429275*	22.21	184213*	24.85
2 TP-17RE	1843572	16.83	498402*	22.17	181058*	24.84
3 TP-3RE	1289471	16.89	351929*	22.23	157165*	24.85

= 1,4-Dichlorobenzene-d4 IS1 (DCB)

Naphthalene-d8 IS2 (NPT)

Acenaphthene-d10 IS3 (ANT)

Phenanthrene-d10 (PHN) IS4

Chrysene-d12 IS5 (CRY)

Perylene-d12 IS6 (PRY)

AREA UPPER LIMIT = +100% of internal standard area AREA LOWER LIMIT = -50% of internal standard area RT UPPER LIMIT = +0.50 minutes of internal standard RT RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QColimits a part of Severn Trent Laboratories, Inc.

TRENT DAGE 2 OF 2

STL Newburgh

Lab Name:	STL Newb	urgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 23711	18
Lab File ID (	Standard):	CCV2418.D	Date	Analyzed: 6/28/200	4
Instrument II	D: 5972-1		Time	Analyzed: 10:17	

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	543388	7.79	1725015	10.27	940994	13.78
UPPER LIMIT	1086776	8.29	3450030	10.77	1881988	14.28
LOWER LIMIT	271694	7.29	862508	9.77	470497	13.28
EPA SAMPLE NO.						
1 SBLK24	455519	7.80	1503579	10,27	843431	13.78
2 SBSPK24	420015	7.80	1416079	10.27	835258	13.78
3 TP-10RR	517294	7.82	1623156	10.29	1106525	13.89
)4 TP-15RR	496600	7.81	1647478	10.28	1074474	13.78

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

= Acenaphthene-d10 IS3 (ANT)

Phenanthrene-d10 IS4 (PHN)

Chrysene-d12 IS5 (CRY)

Perylene-d12 IS6 (PRY)

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required Lawling its a part of Severn Trent Laboratories, Inc.

EVERN STOF2 NYSDOH 10142

M-NY049

Lab Name:	STL Newbo	urgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: <u>237118</u>
Lab File ID (	Standard):	CCV2418.D	Date	Analyzed: 06/28/04
Instrument II	D: 5972-1		Time	Analyzed: 10:17

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	1563384	16.78	1439146	22.12	1019468	24.80
UPPER LIMIT	3126768	17.28	2878292	22.62	2038936	25.30
LOWER LIMIT	781692	16.28	719573	21.62	509734	24.30
EPA SAMPLE NO.						
1 SBLK24	1388188	16.77	1198750	22.11	897516	24.79
2 SBSPK24	1339179	16.78	1265403	22.11	1057474	24.79
3 TP-10RR	797881	17.04	288106*	22.23	155680 *	24.83
04 TP-15RR	1893509	16.79	604153*	22.14	242883*	24.82

= 1,4-Dichlorobenzene-d4 IS1 (DCB)

Naphthalene-d8 (NPT) IS2

Acenaphthene-d10 IS3 (ANT)

= Phenanthrene-d10 IS4 (PHN)

Chrysene-d12 (CRY)

(PRY) Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QColimits a part of Severn Trent Laboratories, Inc.

TRENT page 2 OF 2

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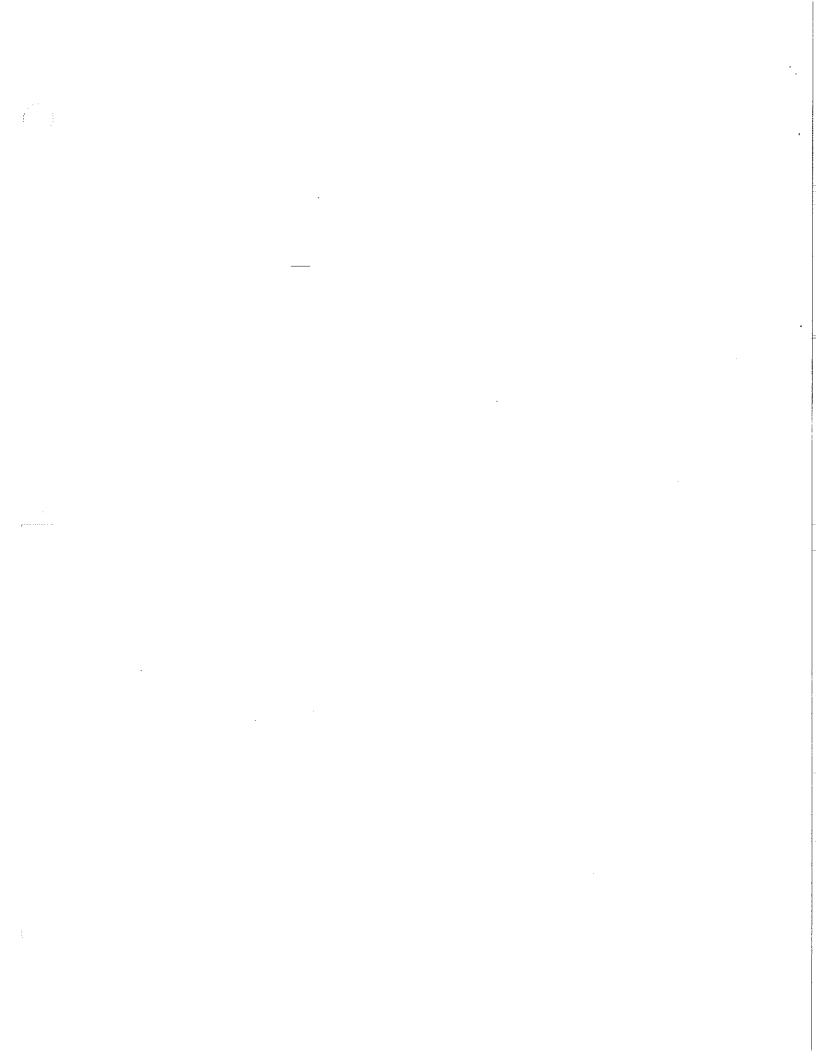
CTDOHS PH-0554 EPA NY049

PA 68-378

315 Fullerion Avenue Ne /9/3h, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

STL Newburgh

M-NY049



### ANALYTICAL REPORT

JOB NUMBER: 237118

Prepared For:

InteGreyted International, LLC 104 Jamesville Road Syracuse, NY 13214

Attention: Mark Schumacher

Date: 07/08/2004

Signature

Douglas O. Tawse Name:

Title: Project Manager

E-Mail: dtawse@stl-inc.com

e Kuhl

Date

315 Fullerton Avenue Newburgh, NY 12550

PHONE: (845) 562-0890 FAX..: (845) 562-0841

STL Newburgh is a part of Severn Trent Laboratories, Inc.

CTDOHS PH-0554



## VERN STL

# CHAIN OF CUSTODY P1 or 3

315 Fullerton Avenue Newburgh, NY 12550 TEL (845) 562-0890 FAX (845) 562-0841

TL Newburgh			FAX (845) 562-0841
STOMER NAME  NTUGORYTED  NTURNOTIONAL	REPORT TYPE	TURNAROUND	REPORT # (Lab Use Only)
DRESS 104 JAMUSVILLE AD	STANDARD□ ISRA □	☐ NORMAL	
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OJECT NUMBER / PO NO.	DW = DRINKING WATER	S = SOIL O = OIL	NY PUBLIC WATER SUPPLIES
9310025 P	WW = WASTE WATER SL = SLUI	DGE GW = GROUND WATER	SOURCE ID
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RECEIPT MUST BE 4° ± 2°C.		Liter Plastic Sulfuro Acid 250ml Plastic 125ml Plastic Slenig 8 oz. Soil 2 oz. Copak 250ml Plastic	1
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3 720 X 5 TP-19	2		
4 945 X 5 TP-12	2		
50 100 x 5 TP-17 50 110 x 5 TP-18	2		
(a) 1110 x 5 TP-18	2		
700 1245 X 5 TP-16	2		
8 TP-13	2		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
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Rolinguist by: Elin Saiflin 5/2	- 6/9/01 3/40 p.m. DH 10142 NUDEP 73015 CTDONS PHA.	EPA NY049 M-NY049 PA 68-378	

## CHAIN OF CUSTODY P 2083

315 Fullerton Avenue Newburgh, NY 12550 TEL (845) 562-0890

SUSTOMER NAME	· · · · · · · · · · · · · · · · · · ·			FAX (845) 5	562-0841
INTEGRETTED INTERNATIONAL	REPORT TY	PE TURNAR	OUND	REPORT # (Lab Use C	
1009 TANGSVILLE AD	STANDARD ISA	A 🗆 🗆 NORMAL_			
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MARK J SCHUMACHER 315-445-0204	CAT B DEL			CHECK PARTIES NO.	
ROJECT LOCATION	04. 15 112	TO BRAS LES		ORING (RESIDUAL) (P. 4.2.4)	
COPEO.		Bankain.	PEX	MEWED BY PLEASE N. 2700	
	DW = DRINKING	Matrix WATER S = SOIL O = O			THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
0310025P	WW = WASTE WATER	SL = SLUDGE GW = GROU	ND WATER "	NY PUBLIC WATER SUP	'PLIES
IOTE: SAMPLE TEMPERATURE UPO			<del>-,-,</del>		
RECEIPT MUST BE 4° ± 2°C.	Total Number of Containers  40m1 Glass  40m1 Glass  Mer Amber HO  250m1 Amber  Liter Amber  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Container  Contain	Sodium Heave Liler Plastic Sulfur Add 250ml Plastic 125ml Plastic Sterie	/ 🎿 / ૹૻૢ <b>ૻ</b> 🧸	PTYPE	
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13 1030 X 5 7P-8	2				<del></del>
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1500 1245 X 5 TP-6	2				<del> </del> .
160 1345 5 78-9	2				
1700 1450 5 70-11	2				
18 1600 X 5 7P-10	2				
18 1600 x 5 7P-10 19 1600 x 5 TP-10A	2		<del>-   -   -   -   -   -   -   -   -   -  </del>	· · · · · · · · · · · · · · · · · · ·	
20 V 1635 X 5 TP-31	2				
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20 1 800 X 5 TOTELS	12				<del></del> .
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# CHAIN OF CUSTODY P 30P3

315 Fullerton Avenue Newburgh, NY 12550 TEL (845) 562-0890

STI, Hewburgh		FAX (845) 562-0841
CUSTOMER NAME    NTGACYTGO INTURNATIONAL	REPORT TYPE TURNAROUND	REPORT # (Lab Use Only)
ADDRESS JAMUSVILLE AN	STANDARD SRA     NORMAL	
STANCUSO NY 13219	NJ REGUNYASP A B CLASS OF QUICK 3 LK	SAMPLE TEMPS
NAME OF CONTACT PHONE NO.	OTHER Q VERBAL	SAMPLEBEGDIONICERYSTZARNIYAYA
MARK J. SCHUMACHIM 315-445-0234	CAT 12 portugue	TOHOHECK!
PROJECT LOCATION		CHEORINE (REGIDUAD) 67 3 12 NWAZ
COOPER	Matrix	REVIEWED BY A REVIEW OF THE AREA
PROJECT NUMBER / PO NO.	DW = DRINKING WATER S = SOIL O = OIL	NY PUBLIC WATER SUPPLIES
93/00251	WW = WASTE WATER SL = SLUDGE GW = GROUND WATE	SOURCE ID
NOTE: SAMPLE TEMPERATURE UPO		ELRP TYPE
RECEIPT MUST BE 4° ± 2°C.	Total Number 40m Colleges 40m Colleges 40m Colleges 40m Colleges 40m Colleges 50m Passing Aside Passing Aside Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Society Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing Passing	FEDERAL ID
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253 245 5 TO-6-WC	3	
8604 135 x 5 78-9-mc	3	
27,55 4 1600 x 5 70-10-00 C	3	
28 216 68-09 800 X 5 TP-5-4C	3	
28 1010 X 5 78-17-WC	3	
3098   pr5 x 5 To-16-wc	3	
3129 1 1345 X 5 TP-13-WC	3	
8230 1 145 X 5 TP-14-wc	. 3	. 4
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## SUBCONTRACT CHAIN OF CUSTODY

STL Newburgh

SUBCONTRACT LABORATORY SR PROJECT MANAGER PO#

237118 STL Newburgh Sampling Date **Analysis** Report **Customer Name** Client ID. **Project Name Matrix** Time Date Rec'd Laboratory No. Requested Type Cooper 237118-21 TC/6/42/0, PRACT JW-8-97 1030 QD TP-7-WC 22 1115 TP-6-WC 1245 TP-9-WC 1345 TP-10-WC 1600 4/8 0800 1030 1245 1345 30 1414 when the second of the second GAN ON A Relinquished By Date Company Received By Date Company

315 Fullerton Avenue Newburgh NY 12550

Tel: (845) 562-0890 Fax: (845) 562-0841

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-8-WC Date Sampled....: 06/07/2004
Time Sampled....: 10:30
Sample Matrix...: Soil Laboratory Sample ID: 237118-21 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	9	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	I
1846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	l
SW846 1311	TCLP Extraction, TCLP	Complete						ļ
SW846 1311	TCLP Extraction, TCLP	Complete						ļ
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	F
sw846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/17/04	
1846 9045C	Corrosivity (pH Solid)	9.28			0.20	pH Units	06/10/04	t
1846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	j
сн 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	
9846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט		21 1.1 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	1
/846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Codmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	200 940 215 20.0 200 50.0 20.0	0 0 0 0		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	n n
7846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110 21	כבכככככככ		21 21 21 21 21 21 21 21 110 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04	

In Description = Dry Wgt.

STL Newburgh is a pan of Severn Trent Laboratories, Inc.

EPA NY049



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

M-NY049

NJDEP 73015

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

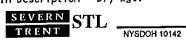
Customer Sample ID: TP-8-WC Date Sampled....: 06/07/2004
Time Sampled....: 10:30
Sample Matrix...: Soil

Laboratory Sample ID: 237118-21 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	0	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Pentachlorophenol, TCLP	53	IJ		53	ug/L	06/16/04	caw
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butenone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethene, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200	טטטטטטטט		200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp pcp
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\* In Description = Dry Wgt.

STL Newburgh is a part of Severn Trent Laboratories, Inc.



### RESULTS LABORATORY TEST

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-7-WC Date Sampled....: 06/07/2004
Time Sampled....: 11:15
Sample Matrix...: Soil Laboratory Sample ID: 237118-22 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
SW846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete						lms
SW846 1311	TCLP Extraction, TCLP	Complete				1		lms
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	рср
SW846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/18/04	lms
sw846 9045C	Corrosivity (pH Solid)	10.18			0.20	pH Units	06/10/04	bmm
SW846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
сн 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21	כככככככ		21 1.1 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	200 400 20.0 20.1 200 50.0 20.0	ប្រមា		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
SW846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110 21	מטטטטטטטטטטט		21 21 21 21 21 21 21 21 110 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04	Caw Caw Caw Caw Caw Caw

In Description = Dry Wgt.

STL Newburgh is a part of Severn Trent Laboratories, Inc.

EPA NY049



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: TP-7-WC Date Sampled....: 06/07/2004 Time Sampled....: 11:15 Sample Matrix....: Soil Laboratory Sample ID: 237118-22 Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Pentachlorophenol, TCLP	53	U		53	ug/L	06/16/04	сам
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200 200 200 200 200 200 200 200 200	טטטטטטטטטט		200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp pcp
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In Description = Dry Wgt.

STL Newburgh is a part of Severn Trent Laboratories, Inc.



M-NY049

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-6-WC Date Sampled....: 06/07/2004 Time Sampled....: 12:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-23
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete						lms
\$W846 1311	TCLP Extraction, TCLP	Complete						lms
sw846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	bcb
SW846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/22/04	ims
SW846 9045C	Corrosivity (pH Solid)	8.27			0.20	pH Units	06/10/04	bmm
SW846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
CH 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21	טטטטטט		21 1.1 1.1 1.1 210 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	200 50.0	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
SW846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110 21	טטטטטטטטטטטט		21 21 21 21 21 21 21 21 110 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	Caw Caw Caw Caw Caw Caw Caw

In Description = Dry Wgt.

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EPA NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-6-WC Date Sampled....: 06/07/2004
Time Sampled....: 12:45
Sample Matrix...: Soil Laboratory Sample ID: 237118-23 Date Received.....: 06/09/2004

Time Received.....: 15:40

Pentachlorophenol, TCLP	TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
Vinyl chloride, TCLP       200       U       200       ug/L       06/22/04 pcp         1,1-Dichloroethene, TCLP       200       U       200       ug/L       06/22/04 pcp         2-Butanone (MEK), TCLP       200       U       200       ug/L       06/22/04 pcp         Chloroform, TCLP       200       U       200       ug/L       06/22/04 pcp         Carbon tetrachloride, TCLP       200       U       200       ug/L       06/22/04 pcp         Benzene, TCLP       200       U       200       ug/L       06/22/04 pcp         1,2-Dichloroethane, TCLP       200       U       200       ug/L       06/22/04 pcp         Trichloroethene, TCLP       200       U       200       ug/L       06/22/04 pcp         Tetrachloroethene, TCLP       200       U       200       ug/L       06/22/04 pcp		Pentachlorophenol, TCLP	53	U		53	ug/L	06/18/04	caw
	SW846 8260B	Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethene, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP	200 200 200 200 200 200 200 200 200	000000	ļ	200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp pcp
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\* In Description = Dry Wgt.

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### LABORATORY TEST RESULTS

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-9-WC Date Sampled....: 06/07/2004 Time Sampled....: 13:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-24
Date Received.....: 06/09/2004

Time	Received:	15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete				<b>!</b>		lms
SW846 1311	TCLP Extraction, TCLP	Complete						lms
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	рср
SW846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/24/04	lms
SW846 9045C	Corrosivity (pH Solid)	8.88			0.20	pH Units	06/10/04	bmm
~4846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
CH 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP		טטטטטטט		21 1.1 1.1 1.1 210 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	400 69.3 27.5 413 50.0	U	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	200 400 20.0 20.0 200 50.0 20.0	ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110			21 21 21 21 21 21 21 21 110 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04 06/16/04	Caw Caw Caw Caw Caw Caw Caw

\* In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

M-NY049

NJDEP 73015

### LABORATORY TEST RESULTS

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

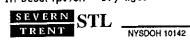
Customer Sample ID: TP-9-WC Date Sampled....: 06/07/2004 Time Sampled....: 13:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-24 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECI
	Pentachlorophenol, TCLP	53	U		53	ug/L	06/16/04	CaW
\$₩846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200 200 200 200 200 200 200 200 200	מטטטטטטטט		200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	bcb bcb bcb bcb bcb
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In Description = Dry Wgt.

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STL Newburgh

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10-WC Date Sampled....: 06/07/2004 Time Sampled....: 16:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-25 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete					-	lms
sw846 1311	TCLP Extraction, TCLP	Complete						lms
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	pcp
sw846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/24/04	lms
sw846 9045C	Corrosivity (pH Solid)	9.13			0.20	pH Units	06/10/04	bmm
SW846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
CH 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21	ככככככ		21 1.1 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	200 400 20.0 32.8 200 50.0 20.0	טטט טטט		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
sw846 8270c	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110 21	טטטטטטטטטטטטטטטטטטטטטטטטטטטטט		21 21 21 21 21 21 21 21 110 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	Caw Caw Caw Caw Caw Caw Caw

In Description = Dry Wgt.

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CTDOHS PH-0554



Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-10-WC Date Sampled....: 06/07/2004 Time Sampled....: 16:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-25 Date Received.....: 06/09/2004

Time Received.....: 15:40

SW846 8260B Volatile Organics Vinyl chloride, TCLP 200 U 200 ug/L 1,1-Dichloroethene, TCLP 200 U 200 ug/L 2-Butanone (MEK), TCLP 200 U 200 ug/L	06/17/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp
Vinyl chloride, TCLP	06/22/04 06/22/04 06/22/04	pcp
Carbon tetrachloride, TCLP   200   U   200   Ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp
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\* In Description = Dry Wgt.

STL Newburgh is a part of Severn Trent Laboratories, Inc.

CTDOHS PH-0554



Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-5-WC Date Sampled....: 06/08/2004 Time Sampled....: 08:00 Sample Matrix....: Soil

Laboratory Sample ID: 237118-26 Date Received....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	lms
sw846 1311	TCLP Extraction, TCLP	Complete						lms
SW846 1311	TCLP Extraction, TCLP	Complete						lms
sw846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	рср
sw846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/27/04	lms
sw846 9045C	Corrosivity (pH Solid)	9.37			0.20	pH Units	06/10/04	bmm
SW846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
CH 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21	ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה ה		21 1.1 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	lje lje lje lje lje
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	50.0	UUUUU		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
sw846 8270c	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 110 21			21 21 21 21 21 21 21 21 110 21	ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	Caw Caw Caw Caw Caw Caw Caw Caw Caw

In Description = Dry Wgt.

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### LABORATORY TEST RESULTS

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

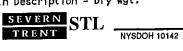
Customer Sample ID: TP-5-WC Date Sampled....: 06/08/2004
Time Sampled....: 08:00
Sample Matrix...: Soil

Laboratory Sample ID: 237118-26 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۵	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Pentachlorophenol, TCLP	53	บ		53	ug/L	06/17/04	caw
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200 200 200 200 200	טטטטטטטט		200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp pcp
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In Description = Dry Wgt.

STL Newburgh is a part of Severn Trent Laboratories, Inc.



### LABORATORY TEST RESULTS

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-17-WC Date Sampled....: 06/08/2004
Time Sampled....: 10:30
Sample Matrix...: Soil Laboratory Sample ID: 237118-27
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
sw846 7470A	Mercury (Hg), TCLP	0.50	υ		0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete						lms
SW846 1311	TCLP Extraction, TCLP	Complete						lms
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete				- - - -	06/21/04	pcp
SW846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/27/04	lms
SW846 9045C	Corrosivity (pH Solid)	7.20			0.20	pH Units	06/10/04	bmm
su846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
сн 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
sw846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 210 21 21	000000		21 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), ICLP	200 660 46.6 20.0 200 50.0 20.0	UUUU		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
sw846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4-5-Trichlorophenol, TCLP 2,4-5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 21 110 21			21 21 21 21 21 21 21 21 110 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	Caw Caw Caw Caw Caw Caw Caw

<sup>\*</sup> In Description = Dry \ygt.

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NJDEP 73015

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-17-WC Date Sampled....: 06/08/2004
Time Sampled....: 10:30
Sample Matrix...: Soil Laboratory Sample ID: 237118-27
Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Pentachlorophenol, TCLP	53	U		53	ug/L	06/17/04	caw
sw846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200			200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp pcp pcp
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In Description = Dry Wgt.

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STL Newburgh 315 Fullerlon Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

EPA NY049

### LABORATORY TEST RESULTS

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-16-WC Date Sampled....: 06/08/2004 Time Sampled.....: 12:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-28 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete				-		lms
SW846 1311	TCLP Extraction, TCLP	Complete				Ī.		lms
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	рср
SW846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/29/04	lms
SW846 9045C	Corrosivity (pH Solid)	8.21			0.20	pH Units	06/10/04	mmd
SW846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
CH 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21			21 1.1 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	20.0 20.0 200 50.0	ប្រហាលព្		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
sw846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110 21	טטטטטטטטטט		21 21 21 21 21 21 21 110 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	Caw Caw Caw Caw Caw Caw Caw

\* In Description = Dry Wgt.

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### LABORATORY TEST RESULTS

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-16-WC Date Sampled....: 06/08/2004
Time Sampled....: 12:45
Sample Matrix...: Soil

Laboratory Sample ID: 237118-28 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Pentachlorophenol, TCLP	53	U		53	ug/L	06/17/04	caw
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200 200 200 200 200 200 200 200 200	טטטטטטטטט		200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	bcb bcb bcb bcb bcb bcb
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\* In Description = Dry Wgt.

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EPA NY049



Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-13-WC
Date Sampled.....: 06/08/2004
Time Sampled.....: 13:45
Sample Matrix....: Soil

Laboratory Sample ID: 237118-29 Date Received.....: 06/09/2004 Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7470A	Mercury (Hg), TCLP	0.50	U	0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete					lms
SW846 1311	TCLP Extraction, TCLP	Complete					lms
sw846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete				06/21/04	pcp
SW846 1010	Ignitability (Flashpoint)	>200		70.000	degrees F	06/30/04	lms
sw846 9045C	Corrosivity (pH Solid)	7.69		0.20	p∦ Units	06/10/04	bmm
SW846 8151A	Herbicides Subcontract, TCLP	Complete			* Text	06/29/04	jmr
СН 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete				06/29/04	ĵmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21	U U U U U U	21 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	200 478 20.0 20.0 200 50.0 20.0	บ บ บ บ บ	200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
sw846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110 21	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	21 21 21 21 21 21 21 21 110 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	Caw Caw Caw Caw Caw Caw Caw Caw

In Description = Dry Wgt.

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Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: TP-13-WC Date Sampled....: 06/08/2004 Time Sampled....: 13:45 Sample Matrix....: Soil

Laboratory Sample ID: 237118-29
Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Pentachlorophenol, TCLP	53	U		53	ug/L	06/17/04	caw
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethene, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200 200 200 200 200 200 200 200 200			200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp pcp pcp
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Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: TP-14-WC Date Sampled....: 06/08/2004
Time Sampled....: 14:15
Sample Matrix...: Soil Laboratory Sample ID: 237118-30 Date Received.....: 06/09/2004

Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7470A	Mercury (Hg), TCLP	0.50	U		0.50	ug/L	06/17/04	lms
SW846 1311	TCLP Extraction, TCLP	Complete						lms
sw846 1311	TCLP Extraction, TCLP	Complete						lms
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					06/21/04	рср
SW846 1010	Ignitability (Flashpoint)	>200			70.000	degrees F	06/30/04	lms
sw846 9045c	Corrosivity (pH Solid)	7.70			0.20	pH Units	06/10/04	bmm
sw846 8151A	Herbicides Subcontract, TCLP	Complete				* Text	06/29/04	jmr
CH 7.3.2	Reactivity CH 7.3.2 Subcontract	Complete					06/29/04	jmr
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	21 1.1 1.1 1.1 210 21 21	บ บบบบ บบ บบ		21 1.1 1.1 1.1 210 21 21	ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	ljc ljc ljc ljc
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Selenium (Se), TCLP Silver (Ag), TCLP	884 340 20.0 200 50.0	UUUU		200 400 20.0 20.0 200 50.0 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04 06/18/04	mad mad mad mad mad
SW846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP	21 21 21 21 21 21 21 21 110 21	טטטטטטטטטטטטטטט		21 21 21 21 21 21 21 21 110 21	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04 06/17/04	Caw Caw Caw Caw Caw Caw Caw

In Description = Dry Wgt.

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### RESULTS LABORATORY TEST

Job Number: 237118

Date: 07/08/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: TP-14-WC Date Sampled....: 06/08/2004
Time Sampled....: 14:15
Sample Matrix...: Soil Laboratory Sample ID: 237118-30
Date Received.....: 06/09/2004
Time Received.....: 15:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Pentachlorophenol, TCLP	53	U	53	ug/L	06/17/04	CaW
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200 200 200 200 200 200 200 200 200	U U U U U U U U U U U U U U U U U U U	200 200 200 200 200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	pcp pcp pcp pcp pcp pcp
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\* In Description = Dry Wgt.

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STL Buffalo

10 Hazelwood Drive, Suite 106 Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

ANALYTICAL REPORT

Job#: A04-5586

STL Project#: NYOA8535

SDG#: 237118

Site Name: STL Newburgh

Task: TCLP Herbicide & Reactivity

Mr. Doug Tawse STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550

STL Buffalo

Project Manager

06/28/2004

### STL Buffalo Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390
Wyoming UST	UST	NA

### METHODS SUMMARY

Job#: A04-5586

STL Project#: NY0A8535

SDG#: 237118 Site Name: STL Newburgh

	ANALYTICAL
PARAMETER	METHOD
METHOD 8151 - TCLP HERBICIDES	SW8463 8151
H2S Released From Waste	SW8463 SECT7.3
HCN Released From Waste	SW8463 SECT7.3
Toxicity Characteristic Leaching Procedure	SW8463 1311

### References:

SW8463

"Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Sample Data Package

Date: 06/28/20 Time: 14:00:20

STL I rgh
TCLP Herbicide & ...tivity (Level 2)
WET CHEMISTRY ANALYSIS

ept: AN0326

Client ID Job No Lab ID Sample Date		TP-10-WC A04-5586 06/07/2004	A4558605	TP-13-WC A04-5586 06/08/2004	A4558609	TP-14-WC A04-5586 06/08/2004	A4558610	TP-16-WC A04-5586 06/08/2004	A4558608
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
HZS Released From Waste HCN Released From Waste	MG/KG MG/KG	ND ND	10 10	ND ND	10 10	ND ND	10 10	ND ND	10
Client ID Job No Lab ID Sample Date		TP-17-WC A04-5586 06/08/2004	A4558607	TP-5-WC A04-5586 06/08/2004	A4558606	TP-6-WC A04-5586 06/07/2004	A4558603	TP-7-WC A04-5586 06/07/2004	A4558602
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
IZS Released From Waste ICN Released From Waste	MG/KG MG/KG	ND ND	10 10	ND ND	10 10	ND ND	10	ND ND	10
Client ID Job No Lab ID Sample Date		TP-8-WC A04-5586 06/07/2004	A4558601	TP-9-WC A04-5586 06/07/2004	A4558604				
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
H2S Released From Waste HCN Released From Waste	MG/KG MG/KG	ND ND	10 10	ND ND	10	NA NA		NA NA	

Date: 06/28/20 Time: 14:00:29

STL N gh
TCLP Herbicide & . . .tivity (Level 2)
METHOD 8151 - TCLP HERBICIDES

pt: AN0326

Client ID Job No Lab ID Sample Date		J-1325 A04-5586 06/07/2004	A4558611	J-1326 A04-5586 06/08/2004	A4558612	Method Blank A04-5586	A4B1132906	Method Blank AO4-5586	A4B1139203
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
2,4-D 2,4,5-TP (Silvex) SURROGATE(S)	MG/L MG/L	ND ND	0.0020 0.0020	ND ND	0.0020 0.0020	ND ND	0.0020 0.0020	ND ND	0.0020 0.0020
richlorophenyl Acetic Acid	/%	53	12-163	3.0 *	12-163	97	12-163	43	12-163

Date: 06/28/20 Time: 14:00:33

STL N gh
TCLP Herbicide & keactivity (Level 2)
WET CHEMISTRY ANALYSIS

ept: AN0326

Client ID Job No Lab Sample Date	10	Method Blank A04-5586	A4B1131702	Method Blank A04-5586	A4B1137704	Method Blank A04-5586	A4B1137706		,
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting   Limit	Sample Value	Reporting Limit
H2S Released From Waste HCN Released From Waste	MG/KG MG/KG	ND ND	10 10	NA ND	. 10	ND NA	10	NA NA	

Date : 06/28/:

14:00:45

STL I

₹GH

Rept: ANO364

SDG: 237118

Client Sample ID: Method Blank Lab Sample ID: A4B1132906 Matrix Spike Blank

Matrix Spike Blk Dup

A4B1132902 A4B1132904

	Concentration			<del></del>		% Recovery			{		
Analyte	Units of Measure	Spike Blank	Spike Blank Dup	Spike SB	Amount SBD	SB	SBD	Avg	% RPD	QC L:	IMITS   REC.
METHOD 8151 - TCLP HERBICIDES 2,4-D 2,4,5-TP (Silvex)	MG/L MG/L	0.00784 0.00689	0.00771 0.00690	0.00800 0.00800	0.00800 0.00800	98 86	96 86	97 86	_	30.0 30.0	33-192 29-179

STL

RGH

Rept: ANO364

SDG: 237118

Client Sample ID: Method Blank Lab Sample ID: A4B1131702

LCS

A4B1131701

	Units of	Concentration Blank   Spike		% Recovery	20
Analyte	Measure	Spike	Amount	Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS  METHOD SECTION 7.3 - REACTIVITY (CYANI  METHOD SECTION 7.3 - REACTIVITY (SULFI		247.8 330.6	1000 570.0	25 58	10-100 10-100

STL N

?GH

Rept: ANO364

SDG: 237118

Client Sample ID: Method Blank Lab Sample ID: A4B1137706

LCS

A4B1137703

	İ	Concenti	ration		
Analyte	Units of Measure	Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS  METHOD SECTION 7.3 - REACTIVITY (SULFI	MG/KG	411.0	570.0	72	10-100

Date: 06/28/20 Time: 14:01:00

STL N

GH SAMPLE . NOLOGY

pt: AN0374 .age: 2

#### METHOD 8151 - TCLP HERBICIDES

Client Sample ID	TP-5-WC	TP-6-WC	TP-7-WC	TP-8-WC	TP-9-WC
Job No & Lab Sample ID	A04-5586 A4558606	A04-5586 A4558603	A04-5586 A4558602	A04-5586 A4558601	A04-5586 A4558604
Sample Date Received Date TCLP Date/Time Extraction Date Analysis Date TCLP Extraction HT Met? Extraction HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	06/08/2004 08:00 06/11/2004 09:50 06/11/2004 15:30 06/15/2004 07:00 06/24/2004 03:06 YES YES YES SOIL LOW 1.0 0.25 LITERS	06/07/2004 12:45 06/11/2004 09:50 06/11/2004 15:30 06/15/2004 07:00 06/24/2004 00:48 YES YES YES YES SOIL LOW 1.0 0.25 LITERS	06/07/2004 11:15 06/11/2004 09:50 06/11/2004 15:30 06/15/2004 07:00 06/24/2004 00:02 YES YES YES YES SOIL LOW 1.0 0.25 LITERS	06/07/2004 10:30 06/11/2004 09:50 06/11/2004 15:30 06/15/2004 07:00 06/23/2004 23:16 YES YES YES YES SOIL LOW 1.0 0.25 LITERS	06/07/2004 13:45 06/11/2004 09:50 06/11/2004 15:30 06/15/2004 07:00 06/24/2004 01:34 YES YES YES SOIL LOW 1.0 0.25 LITERS

Date: 06/28/20 Time: 14:01:00

STL N QC SAMPLE ³GH JNOLOGY :pt: AN0374 age: 4

#### METHOD 8151 - TCLP HERBICIDES

Client Sample ID	J-1325	J-1326	Method Blank	Method Blank	
Job No & Lab Sample ID	A04-5586 A4558611	A04-5586 A4558612	A04-5586 A4B1132906	A04-5586 A4B1139203	
Sample Date Received Date TCLP Date/Time Extraction Date Analysis Date TCLP Extraction HT Met? Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	06/07/2004 10:30 06/11/2004 09:50 06/11/2004 15:30 06/15/2004 07:00 06/24/2004 06:57 YES YES YES SOIL LOW 1.0 0.25 LITERS	06/08/2004 13:45 06/11/2004 09:50 06/15/2004 10:50 06/16/2004 07:00 06/25/2004 12:23 YES YES YES YES SOIL LOW 1.0 0.25 LITERS	06/15/2004 07:00 06/24/2004 13:53 - - - SOIL LOW 1.0 0.25 LITERS	06/16/2004 07:00 06/25/2004 14:41  - - SOIL LOW 1.0 0.25 LITERS	

Date: 06/28/2 Jobno: A04-558 14:01:05 STL N 'GH LOGY

QC CH.

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	тнт	Analysis Date	AHT	Matrix
A4B1131702	Method Blank	MG/KG	HCN Released From Waste	SECT7.3	1.00	-	- 09:50	NA	NA	06/14 08:00	Yes	SOIL
		MG/KG	H2S Released From Waste	SECT7.3	1.00		- 09:50	NA	NA	06/14 08:00	Yes	SOIL
A4B1137704	Method Blank	MG/KG	HCN Released From Waste	SECT7.3	1.00	_	- 09:50	NA NA	NA	06/15 08:00	Yes	SOIL
A4B1137706	Method Blank	MG/KG	H2S Released From Waste	SECT7.3	1.00	_	- 09:50	NA	1	06/15 08:00	1	
A4B1131701	LCS	MG/KG	HCN Released From Waste	SECT7.3	1.00	-	- 09:50	NA	NA	06/14 08:00	Yes	SOIL
		MG/KG	H2S Released From Waste	SECT7.3	1.00	-	- 09:50	NA		06/14 08:00	1	
A4B1137703	LCS	MG/KG	HCN Released From Waste	SECT7.3	1.00	-	- 09:50	NA	1	06/15 08:00		
		MG/KG	HZS Released From Waste	SECT7.3	1.00	-	- 09:50	NA		06/15 08:00		
A481137705	LCS	MG/KG	HCN Released From Waste	SECT7.3	1.00	-	- 09:50	NA.		06/15 08:00	1 '	
		MG/KG	H2S Released From Waste	SECT7.3	1.00	_	- 09:50	NA		06/15 08:00	1	

Rept: ANO369

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## SUBCONTRACT CHAIN OF CUSTODY

STL Newburgh

SUBCONTRACT LABORATORY SR BURPROJECT MANAGER D. TALKE 237118 PO#

Customer Name	Client ID.	Project Name	Matrix	Samp Time	oling Date			Newburgh ratory No.		lysis ested		port ype	
SR & Rubural	79-8-WC	Caper		1030				1118-51-				<b>P</b> 51	
	TP-7-WC	<b>1</b>		1115				වර		1		· 65	ইব
<u> </u>	TP-6-WC			1245				93				6.	1/4
	TP-9-WC	\\		1345				46	,				7
	TP-10-WC			1600				25					1
	TP-5-WC			0800	4/8			26			П		1
	TP-17-WC			1030				97					1
	TP-16-60	·		1245	- 1			28					1
	TP-13-4r		,	1345			Ι.	29					1
	TP-14-WC			1414	V		1	, <u>3</u> 0	1	ŗ		,	1
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315 Fullerton Avenue

Newburgh NY 12550

Tel: (845) 562-0890 Fax: (845) 562-0841

# STL Burlington Colchester, Vermont

Sample Data Summary Package

SDG: 100771



Severn Trent Laboratories, Inc.



STL Burlington 208 South Park Drive, Suite 2 Colonester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248

www.sti-inc.com

June 23, 2004

Mr. Doug Tawse Severn Trent Laboratories 315 Fullerton Ave. Newburgh, NY 12550

Re: Laboratory Project No.: 24010

Case: 24010; SDG: 100771

Dear Mr. Tawse:

Enclosed are the analytical results for samples received by STL Burlington on June 15, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0164.

Laboratory ID numbers were designated as follows:

<u>Lab ID</u>	Client <u>Sample ID</u>	Sample <u>Date</u>	Sample <u>Matrix</u>
	Received: 06/15/04	ETR No: 10077	1
575872 575873 575874 575874MS 575874DP 575875 575876 575993	SED-1 SED-2 SED-3 SED-3MS SED-3REP SED-4 SED-5 SED-6	06/09/04 06/09/04 06/09/04 06/09/04 06/09/04 06/09/04 06/09/04	Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment Sediment

Documentation of the condition of the samples at the time of their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

## Total Organic Carbon (TOC) by the Lloyd Kahn Method:

To more accurately report low level concentrations of Total Organic Carbon (TOC), the laboratory recalculates low level chromatographic peak areas using a low level calibration derived from two points (0,0) and the lowest point in the original calibration. The criterion to reprocess data is defined as the peak area in the lowest point of the calibration. The analyses of all blank samples that were performed on 6/18/04 were reprocessed accordingly.

The analysis of the replicate sample SED-3REP exhibited a relative percent difference that exceeded the control limits (0-20%) at 27%. The laboratory suspects this anomaly is due to the nature of the matrix.

The analytical results presented in this data report were generated under a quality system that adheres to the requirements specified in the NELAC standard. This report shall not be reproduced, except in full, without the written approval of the laboratory. The release of the data in this report is authorized by the Laboratory Director or his designee, as verified by the following signature.

If there are any questions regarding this test report, please contact Ron Pentkowski at (802) 655-1203.

Sincerely,

Michael F. Wheeler, Ph.D. Laboratory Director

Enclosure



## SUBCONTRACT CHAIN OF CUSTODY

STL Newburgh

SUBCONTRACT LABORATORY VT		_
PROJECT MANAGER	PO#	237194

		•		Sam			STL Newburgh		Report
Customer Name	Client ID.	Project Name			Date		Laboratory No.	Requested	Type
SR Newburgh	SED-1	Cooper	Sed	1015	6/9	6/11	237194-12	TOC	C12
Š	SED-2			1145	6/9	19/11	13		1
	SED-3+H	1487		1445	-6/9	411	14		
	SED-4			1330		6/11	15		
	SED-5			1445	99	1/4	16		
	SED-6			£140	6/20	6/1			
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Relinquished By
Received By Chulsen

315 Fullerton Avenue

Newburgh NY 12550 Tel: (845) 562-0890 Fax: (845) 562-0841 Date 6 15 04 0950

Company ST But

# SEVERN STL

Sample Data Summary Package For Wet Chemistry

## Sample Report Summary

Client Sample No.

SED-1

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575872

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 47.0

	Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
	IN623	Solids, Percent	06/17/04	N/A	%	1.0		47.0	
	IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1060	70700	
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## Sample Report Summary

Client Sample No.

SED-2

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575873

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 46.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF.	RL	Conc.	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0	ľ	46.9	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1070	52300	
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## Sample Report Summary

Client Sample No. SED-3

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575874

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 43.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units_	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0		43.5	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1150	51700	
11041	100 by Eloya Kaliii							[
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#### Sample Report Summary

Client Sample No.

SED-4

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575875

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 48.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	_Conc	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0		48.8	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1020	53100	
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## Sample Report Summary

Client Sample No.

SED-5

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575876

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 46.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DE	RL	Conc.	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0		46.0	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1090	57800	
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## Sample Report Summary

Client Sample No.

SED-6

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575993

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 46.0

	Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
	IN623	Solids, Percent	06/17/04	N/A	%	1.0		46.0	
	IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1090	69300	
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## Method Blank Report Summary

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Matrix: SOIL

Client: STLNYN

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK0618A	IN847	TOC by Lloyd Kahn	500	mg/Kg	U	1	500	06/18/04	BLKLK0618A
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## Matrix Spike Sample Report Summary

Client Sample No.

SED-3MS

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575874MS

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 43.5

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Matrix Res	Spike ult Qual.	Sam Res Conc.	ple ult Qual.	Spike Added	% Recovery*
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	185300		51700		128000	105
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<sup>\*</sup> Control Limit for Percent Recovery is 75-125%, unless otherwise specified.

## **Duplicate Sample Report Summary**

Client Sample No.

SED-3REP

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575874DP

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 44.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sam Res Conc.	ult	Dupli Sample Conc.	cate Result Qual.	RPD*	
IN623	Solids, Percent	06/17/04	N/A	%	43.5	į	44.8		3	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	51700		67900		27	
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<sup>\*</sup> Control Limit for RPD is +/- 20%, unless otherwise specified.

## Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Matrix: SOIL

Client: STLNYN

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK0618A	IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	8290	8500	98
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<sup>\*</sup> Control Limit for Percent Recovery is 85-115%, unless otherwise specified.

## Sample Report Summary

Client Sample No.

SED-1

Lab Name: STL BURLINGTON

**Contract: 237194** 

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575872

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 47.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0		47.0	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1060	70700	
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## Sample Report Summary

Client Sample No.

SED-2

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575873

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 46.9

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0	ľ	46.9	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1070	52300	
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## Sample Report Summary

Client Sample No.

SED-3

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575874

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 43.5

	Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
1	IN623	Solids, Percent	06/17/04	N/A	%	1.0		43.5	
	IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1150	51700	
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## Sample Report Summary

Client Sample	No.
.SED-4	

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575875

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 48.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0		48.8	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1020	53100	
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## Sample Report Summary

Client Sample No. SED-5

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575876

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 46.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	06/17/04	N/A	%	1.0		46.0	
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1090	57800	
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## Sample Report Summary

Client Sample No.

SED-6

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575993

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 46.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual
IN623	Solids, Percent	06/17/04	N/A	%	1.0		46.0	1
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	1	1090	69300	
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## Method Blank Report Summary

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Matrix: SOIL

Client: STLNYN

% Solids:

BLKLK0618A IN847 TOC by Lloyd Kahn 500 mg/Kg U 1 500 06/18/04 BL	nalytical Batch	Anal Ba	nalytical un Date	Ai R	RL	DF	Qual.	Units	Conc.	Parameter	Method	Lab Sample ID
	KLK0618A	BLKL			500	1	υ	mg/Kg	500			
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## Matrix Spike Sample Report Summary

Client Sample No.

SED-3MS

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575874MS

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 43.5

	Method	Parameter	Analytical Run Date	Analytical Batch	Units	Matrix Res Conc.	ult	Res	iple sult Qual.	Spike Added	% Recovery*	
	IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	185300		51700		128000	105	1
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<sup>\*</sup> Control Limit for Percent Recovery is 75-125%, unless otherwise specified.

#### **Duplicate Sample Report Summary**

Client Sample No.

SED-3REP

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

Lab Sample ID: 575874DP

Matrix: SEDIMENT

Client: STLNYN

Date Received: 06/15/04

% Solids: 44.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	Sam Res Conc.	ple ult Qual.	Dupli Sample Conc.	cate Result Qual.	RPD*
IN623	Solids, Percent	06/17/04	N/A	%	43.5		44.8		3
IN847	TOC by Lloyd Kahn	06/18/04	BLKLK0618A	mg/Kg	51700		67900		27
. ]									
					<b>!</b>				
•									
		:							
									}
									İ

<sup>\*</sup> Control Limit for RPD is +/- 20%, unless otherwise specified.

## **Laboratory Control Sample Report Summary**

Lab Name: STL BURLINGTON

Contract: 237194

SDG No.: 100771

Lab Code: STLVT

Case No.: 24010

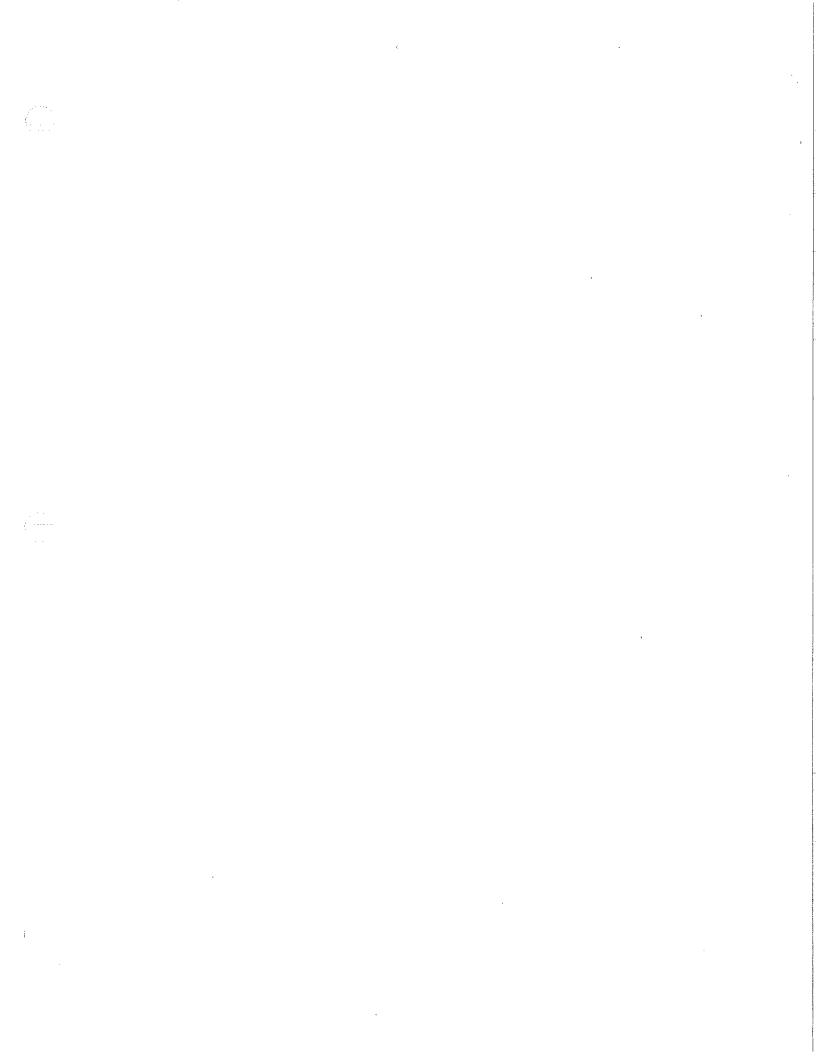
Matrix: SOIL

Client: STLNYN

% Solids:

Sample ID Method Parameter Run Date Batch Units Conc. True Value Rec	% overy*
	18

<sup>\*</sup> Control Limit for Percent Recovery is 85-115%, unless otherwise specified.





## SAMPLE DATA SUMMARY PACKAGE

InteGreyted International, LLC Syracuse, NY Project: Cooper 0310025P

STL Lab. #: 237194

Matrix: Soil & Water

1 of 2

# SAMPLE INFORMATION Date: 07/06/2004

Job Number.: 237194 Customer...: InteGreyted International, LLC Attn.....: Mark Schumacher

Project Number.....: 20001335 Customer Project ID...: COOPER 0310025P Project Description...: Cooper/C-H

Laboratory Sample ID	Customer Sample ID	Sample Metrix	Date Sampled	Time Sampled	Date Received	Time Received
237194-1	sw-1	Surf. Water	06/09/2004	10:15	06/11/2004	14:20
237194-2	sw-2	Surf. Water	06/09/2004	11:45	06/11/2004	14:20
237194-3	SH-3	Surf. Water	06/09/2004	14:45	06/11/2004	14:20
237194-4	SW-4	Surf. Water	06/09/2004	15:37	06/11/2004	14:20
237194-5	sw-5	Surf. Water	06/09/2004	14:45	06/11/2004	14:20
237194-6	L-1	Surf. Water	06/09/2004	13:00	06/11/2004	14:20
237194-7	ss-1	Soil	06/09/2004	11:20	06/11/2004	14:20
237194-8	ss-2	Soil	06/09/2004	10:30	06/11/2004	14:20
237194-9	ss-3	Soil	06/09/2004	10:00	06/11/2004	14:20
~37194-10	ss-4	Soil	06/09/2004	13:05	06/11/2004	14:20
∠37194-11	\$\$-5	Soil	06/09/2004	13:00	06/11/2004	14:20
237194 - 12	SED-1	Sediment	06/09/2004	10:15	06/11/2004	14:20
237194-13	SED-2	Sediment	06/09/2004	11:45	06/11/2004	14:20
237194-14	SED-3	Sediment	06/09/2004	14:45	06/11/2004	14:20
237194-15	SED-4	Sediment	06/09/2004	15:30	06/11/2004	14:20
237194-16	SED-5	Sediment	06/09/2004	14:45	06/11/2004	14:20
237194-17	SED-6	Sediment	06/09/2004	10:40	06/11/2004	14:20
237194-18	TRIP		06/09/2004	00:00	06/11/2004	14:20
237194-19	L-2	Surf. Water	06/10/2004	08:00	06/11/2004	14:20
237194-20	ss-6	Soil	06/10/2004	08:00	06/11/2004	14:20
237194-21	ss-7	Soil	06/10/2004	08:15	06/11/2004	14:20
237194-22	ss-8	Soil	06/10/2004	08:45	06/11/2004	14:20
237194-23	ss-9	Soil	06/10/2004	09:00	06/11/2004	14:20
237194-24	ss-10	Soil	06/10/2004	09:15	06/11/2004	14:20
				:		
N.						

STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (846) 552-0890 Fax (846) 562-0841

NJDEP 73015

#### CHRONICLE LABORATORY

Job Number: 237194

Date: 07/06/2004

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CUSTOMER: Integri	eyted International, LLC PRE	JULDI, COOLLA OD 100ES		
Lab ID: 237194-1	Client ID: SW-1	Date Recvd: 06/11/2	2004 Sample Date: 06/09/2	
METHOD	DESCRIPTION	RUN# BATCH# PRE	EP BT #(S) DATE/TIME A	NALYZED DILUTION
	5030 5 mL Purge Prep	1 70840 1 70033	06/16/2004	1415
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1 70287	06/16/2004	1400
SN18 4500CNE	Cyanide, Total Extraction Sep. Funnel (Chlor.Pest)	1 70210	00, 10, 21	
SW846 3510C	Extraction Sep. Funnel (PCBs)	1 70211		
SW846 3510C SW846 3510C	Extraction Sep. Funnel (SVOC)	1 70209		
EPA 245.1	Mercury (CVAA)	1 70900	06/27/2004	1211
EPA 200.7	Metals Analysis (ICP)	1 70713 700		1241
SW846 8081A	Organochlorine Pesticide Analysis	1 71135	06/25/2004	0000
SW846 8082	PCB Analysis	1 71139	06/25/2004	0000 1.333
LAC 10210001A	Phenolics, Total Recoverable	1 70978	06/16/2004	0420
QA Services	Quality Assurance Services	711/4		
QA Services	Quality Assurance Services	1 71146 1 71181		
QA Services	Quality Assurance Services	1 71214	07/01/2004	0000
QA Services	Quality Assurance Services	1 70587	06/22/2004	1000
EPA 270.2	Selenium (GFAA) Semivolatile Organics	1 71383	06/23/2004	0032 1
SW846 8270C SW846 8260B	Volatile Organics	1 71367		
3W040 02000	VOCACTIC OF SALLIOO			
Lab ID: 237194-2	Client ID: SW-2	Date Recvd: 06/11/2	004 Sample Date: 06/09/2	004
METHOD	DESCRIPTION		P BT #(S) DATE/TIME A	NALYZED DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1 70840	06/16/2004	1415
PA 200.7	Acid Digestion, Total Recoverable(ICAP)	1 70033 1 70287	06/16/2004	1400
M18 4500CNE	Cyanide, Total	1 70287 1 70210	80/10/2004	1400
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1 70211		
SW846 35100	Extraction Sep. Funnel (PCBs) Extraction Sep. Funnel (SVOC)	1 70209		
SW846 3510C EPA 245.1	Mercury (CVAA)	1 70900	06/27/2004	1213
EPA 200.7	Metals Analysis (ICP)	1 70713 700		1245
SW846 8081A	Organochlorine Pesticide Analysis	1 71135	06/25/2004	0000
SW846 8082	PCB Analysis	1 71139	06/25/2004	0000 1.123
LAC 10210001A	Phenolics, Total Recoverable	1 70978	06/16/2004	0420
QA Services	Quality Assurance Services	1		
QA Services	Quality Assurance Services	1 71146		
QA Services	Quality Assurance Services	1 71181 1 71214		
QA Services	Quality Assurance Services	1 70579 7003	33 06/21/2004	1205
EPA 270.2	Selenium (GFAA) Semivolatile Organics	1 71383	06/23/2004	0108 1
SW846 8270C SW846 82608	Volatile Organics	1 71367		
38040 05000	Potacita organisa			
Lab ID: 237194-3	Client ID: SW-3	Date Recvd: 06/11/20	004 Sample Date: 06/09/20 P BT #(S) DATE/TIME AN	JU4 NALYZED DILUTION
METHOD	DESCRIPTION	RUN# BATCH# PRE	P B1 #(2) DMIE/IIME AN	ARLIZED DIEGITOR
SW846 5030(5mL	5030 5 mL Purge Prep	1 70840 1 70033	06/16/2004	1415
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1 70033 1 70287	06/16/2004	1400
SM18 4500CNE	Cyanide, Total Extraction Sep. Funnel (Chlor.Pest)	1 70210	00, 10, 411.	,,,,,
SW846 3510C	Extraction Sep. Funnel (PCBs)	1 70211		
SW846 3510C SW846 3510C	Extraction Sep. Funnel (SVOC)	1 70209		
EPA 245.1	Mercury (CVAA)	1 70900	06/27/2004	1219
EPA 200.7	Metals Analysis (ICP)	1 70713 7003		1249
SW846 8081A	Organochlorine Pesticide Analysis	1 71135	06/25/2004	0000
SW846 8082	PCB Analysis	1 71139	06/26/2004	0000 1.176
LAC 10210001A	Phenolics, Total Recoverable	1 70978	06/16/2004	0420
QA Services	Quality Assurance Services	1 711/4		
QA Services	Quality Assurance Services	1 71146		

EPA NY049

M-NY049

#### LABORATORY CHRONICLE

Job Number: 237194

Date: 07/06/2004

CLISTOMER: Intelica	eyted International, ELC PROJ	JECI: COOPE	R 031002	5P		ATTN: Mark Sch	umacher	
2010/12/11/04/3								
Lab ID: 237194-3	Client ID: SW-3			/11/2004		Date: 06/09/2		D
METHOD	DESCRIPTION			PREP BT	#(5)	DATE/TIME A	NALYZED	DILUTI
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214			04 104 10004	4045	
EPA 270.2	Selenium (GFAA)	1	70579	70033		06/21/2004	1215	
SW846 8270C	Semivolatile Organics	1	71383			06/23/2004	0143	1
SW846 8260B	Volatile Organics	1	7136 <b>7</b>					
ab ID: 237194-4	Client ID: SW-4	Date Re	ecvd: 06/	/11/2004		Date: 06/09/2	004	
METHOD	DESCRIPTION	RUN#		PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTI
SW846 5030(5mL	5030 5 mL Purge Prep	1	70840					
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	70033			06/16/2004	1415	
SM18 4500CNE		1	70287			06/16/2004	1400	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	70210					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	70211					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	70209					
EPA 245.1	Mercury (CVAA)	1	70900			06/27/2004	1225	
EPA 200.7	Metals Analysis (ICP)	1	70713	70033		06/23/2004	1310	
SW846 8081A	Organochlorine Pesticide Analysis	1	71135			06/25/2004	0000	
SW846 8082	PCB Analysis	1	71139		,	06/26/2004	0000	1.25
LAC 10210001A		1	70978			06/16/2004	0420	
	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	i	71181					
QA Services	Quality Assurance Services	i	71214					
\ Services		i	70579	70033		06/21/2004	1254	
A 270.2	Selenium (GFAA)	1	71383			06/23/2004	0218	1
SW846 8270C SW846 8260B	Semivolatile Organics Volatile Organics	1	71367					
	Client ID: SW-5	Date Re	cvd: 06/	11/2004	Sample	Date: 06/09/20	004	
ab ID: 237194-5	DESCRIPTION	RUN#	BATCH#	PREP BT		DATE/TIME AN		DILUTI
METHOD		1	70840					
SW846 5030(5mL	Acid Digestion, Total Recoverable (ICAP)	i	70033			06/16/2004	1415	
EPA 200.7		i	70287			06/16/2004	1400	
SM18 4500CNE	Cyenide, Total Extraction Sep. Funnel (Chlor.Pest)	i	70210					
SW846 3510C	Extraction Sep. Furnet (Citto) Fest/	i	70211					
SW846 3510C	Extraction Sep. Funnel (PCBs)	i	70209					
SW846 3510C	Extraction Sep. Funnel (SVOC)	i	70900			06/27/2004	1227	
EPA 245.1	Mercury (CVAA)	1	70713	70033		06/23/2004	1330	
EPA 200.7	Metals Analysis (ICP)	i	71135	10055		06/25/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	1	71139			06/26/2004	0000	1.041
SW846 8082	PCB Analysis	1	70978			06/16/2004	0420	
LAC 10210001A	Phenolics, Total Recoverable	1	10710			00, 10, 2001	V	
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214	プクロファ		06/21/2004	1304	
EPA 270.2	Selenium (GFAA)	1	70579	70033			0254	1
SW846 8270C	Semivolatile Organics	1	71383			06/23/2004	U£34	•
SW846 8260B	Volatile Organics	1	71367					
ab ID: 237194-6	Client ID: L-1		cvd: 06/			Date: 06/09/20		DILUTIO
METHOD	DESCRIPTION			PREP BT	#(S)	DATE/TIME AN	WITTED	DITOLI
SW846 5030(5mL	5030 5 mL Purge Prep	1	70840			01/4/2000/	4445	
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	70033			06/16/2004	1415	
SM18 4500CNE	Cyanide, Total	1	70287			06/16/2004	1400	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	70210					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	70211					
UNUTU UV 104								
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SEVERN STL NYSDOH 10142

#### CHRONICLE LABORATORY

Job Number: 237194

Date: 07/06/2004

CUSTOMER: InteGr	eyted International, LLC PR	OJECT: COOPE	R 031002	)P		ATTN: Merk Sci	umacher	
Lab ID: 237194-6	Client ID: L-1	Date R	ecvd: 06,	/11/2004	Sample	e Date: 06/09/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME /	WALYZED	DILUTIO
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	70209					
EPA 245.1	Mercury (CVAA)	1	70900			06/27/2004	1229	
EPA 200.7	Metals Analysis (ICP)	1	70713	70033		06/23/2004	1335	
SW846 8081A	Organochlorine Pesticide Analysis	1	71135			06/25/2004	0000	
SW846 8082	PCB Analysis	1	71139			06/26/2004	0000	1.123
LAC 10210001A	Phenolics, Total Recoverable	1	70978			06/16/2004	0420	
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214			04 104 10007		
EPA 270.2	Selenium (GFAA)	1	70579	70033		06/21/2004	1314	
SW846 8270C	Semivolatile Organics	1	71383			06/23/2004	0329	1
SW846 82608	Volatile Organics	1	71367					
Lab ID: 237194-7	Client ID: SS-1	Date Re	ecvd: 06/	11/2004	Sample	Date: 06/09/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
SW846 5030 (5g		1	70842 1					
SW846 3050B	Acid Digestion (GFAA) Solids	1	70032			06/15/2004	1340	
SW846 3050B	Acid Digestion (ICP) Solids	1	70031			06/15/2004	1340	
SW846 9010B	Cyanide, Total	1	70797			06/21/2004	0750	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70709					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70710					
W846 3550B	Extraction Ultrasonic (SVOC)	1	70708					
1846 7471A	Mercury (CVAA) Solids	1	70538	70537		06/18/2004	1145	
SH846-7471	Mercury Soil Digestion	1	70537			06/17/2004	1330	
SW846 6010B	Metals Analysis (ICAP)	1	70654	70031		06/22/2004	1826	
SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000	
SW846 8082	PCB Analysis	1	71155			06/27/2004	0000	0.9891
SW846 8082	PCB Analysis	2	71215			06/29/2004	0000	10
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214			04 104 10004	***	
SW846 7740	Selenium (GFAA)	1	70595	70032		06/21/2004	1402	
SW846 8270C	Semivolatile Organics	1	71153			04.45.0004		
EPA 160.3	Solids, Total	1	70428			06/15/2004	0000	
SW846 8260B	Volatile Organics	1	71367					
Lab ID: 237194-8	Client ID: SS-2	Date Re	cvd: 06/	11/2004		Date: 06/09/20		
METHOD	DESCRIPTION	RUN#		PREP BT	#(S)	DATE/TIME A	IALYZED	DILUTION
SW846 5030 (5a	5030 Soil(5g)Prep	1	70842			****		
SW846 3050B	Acid Digestion (GFAA) Solids	1	70032			06/15/2004	1340	
SW846 3050B	Acid Digestion (ICP) Solids	1	70031			06/15/2004	1340	
SW846 9010B	Cyanide, Total	1	70797			06/21/2004	0750	
SW846 35508	Extraction Ultrasonic (Chlor.Pest.)	1	70709					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70710					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70708			** ***		
SW846 7471A	Mercury (CVAA) Solids	1	70538	70537		06/18/2004	1147	
SW846-7471	Mercury Soil Digestion	1	70537	•		06/17/2004	1330	
SW846 6010B	Metals Analysis (ICAP)	1	70654	70031		06/22/2004	1848	
SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000	
SW846 8082	PCB Analysis	1	71155			06/27/2004	0000	0.9791
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	1	71181					
an an itana								
•								



M-NY049

#### LABORATORY CHRONICLE

Job Number: 237194

Date: 07/06/2004

			***************************************					
CUSTOMER: InteGra	yted International, LLC	PROJECT: COOPE	R 031002	5P		ATTN: Mark Sch	umacher	
	olient ID: SC-2	Nate P	ecvd: 06	/11/2004	Samole	Date: 06/09/2	2004	
Lab ID: 237194-8 METHOD	Client ID: SS-2 DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A		DILUTION
QA Services	Quality Assurance Services	1	71214					
SW846 7740	Selenium (GFAA)	1	70595	70032		06/21/2004	1442	
SW846 8270C	Semivolatile Organics	1	71153			07 145 12001	0000	
EPA 160.3	Solids, Total	1	70428			06/15/2004	9000	
SW846 8260B	Volatile Organics	1	71367					
Lab ID: 237194-9	Client ID: SS-3	Date R	ecvd: 06/	/11/2004	Sample	Date: 06/09/2	004	
METHOD	DESCRIPTION		BATCH#		#(S)	DATE/TIME A	NALYZED	DILUTION
SW846 5030 (5g	5030 Soil(5g)Prep	1	70842				4450	
SW846 3050B	Acid Digestion (GFAA) Solids	1	70344			06/18/2004	1450 1450	
SW846 3050B	Acid Digestion (ICP) Solids	. 1	70343 71022			06/18/2004 06/28/2004	1030	•
SW846 9010B	Cyanide, Total	1	70709			00/20/2004	1030	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs)	<u> </u>	70710					
SW846 3550B	Extraction Ultrasonic (PCDS)	•	70708					
SW846 3550B SW846 7471A	Mercury (CVAA) Solids	i	71089	71088		06/29/2004	2356	
SW846-7471	Mercury Soil Digestion	1	71088			06/29/2004	2015	
SW846 6010B	Metals Analysis (ICAP)	· 1	70666	70343		06/22/2004	1123	
SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000 0000	0.9836
SW846 8082	PCB Analysis	1	71155			06/27/2004	0000	0.7030
QA Services	Quality Assurance Services	1 1	71146					
QA Services	Quality Assurance Services	1	71181					
'A Services	Quality Assurance Services Quality Assurance Services	1	71214					
A Services SW846 7740	Selenium (GFAA)	Ì	70596	70344		06/21/2004	1721	
SW846 8270C	Semivolatile Organics	1	71153					
EPA 160.3	Solids, Total	1	70446			06/17/2004	0000	
SW846 8260B	Volatile Organics	1	71367					
Lab ID: 237194-10	Client ID: SS-4	Date Re	cvd: 06/	11/2004	Sample	Date: 06/09/2		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(\$)	DATE/TIME A	VALYZED	DILUTION
SW846 5030 (5g	5030 Soil(5g)Prep	1	70842			04.445.40004	47/0	
SW846 3050B	Acid Digestion (GFAA) Solids	1	70032			06/15/2004 06/15/2004	1340 1340	
SW846 3050B	Acid Digestion (ICP) Solids	1	70031 70797			06/21/2004	0750	
SW846 90108	Cyanide, Total	1	70797			00/21/2004	0120	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs)	i	70710					
SW846 3550B SW846 3550B	Extraction Ultrasonic (SVOC)	i	70708					
SW846 7471A	Mercury (CVAA) Solids	1	70538	70537		06/18/2004	1149	
SW846-7471	Mercury Soil Digestion	1	70537			06/17/2004	1330	
SW846 6010B	Metals Analysis (ICAP)	1	70654	70031		06/22/2004	1852	
SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004 06/27/2004	0000 0000	0.9712
SW846 8082	PCB Analysis	1	71155			00/21/2004	0000	017112
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	. 1	71181					
QA Services	Quality Assurance Services Quality Assurance Services	i	71214					
QA Services SW846 7740	Selenium (GFAA)	Í	70595	70032		06/21/2004	1452	
SW846 8270C	Semivolatile Organics	1	71153			0/ /45 (000)	0000	
EPA 160.3	Solids, Total	1	70428			06/15/2004	0000	
SW846 82608	Volatile Organics	1	71367					1
1-b th 07740/-44	Client ID: SS-5	Date Re	cvd: 06/	11/2004		Date: 06/09/20	004	
Lab ID: 237194-11 METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	IALYZED	DILUTION
SW846 5030 (5g		1	70842					
	• •							

STL Newburgh is a parage Separn Trent Laboratories, Inc.

SEVERN STL

NYSDOH 10142

Job Number: 237194

Date: 07/06/2004

		PROJECT: COOPER	) กรากกว <sup>ะ</sup>	P		ATTN: Mark Sch	unacher	
CUSTOMER: InteGre	yted International, LLC	PROBESTS BOOFER						
Lab ID: 237194-11	Client ID: SS-5	Date Re	ecvd: 06/	11/2004		Date: 06/09/2		N1117150
METHOD	DESCRIPTION			PREP BT	#(\$)	DATE/TIME A		DILUTION
SH846 3050B	Acid Digestion (GFAA) Solids	1	70032			06/15/2004	1340 1340	
SW846 3050B	Acid Digestion (ICP) Solids	1	70031			06/15/2004 06/21/2004	0750	
SW846 9010B	Cyanide, Total	1	70797			00/21/2004	0750	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70709 70710	•				
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70708					
sw846 3550B	Extraction Ultrasonic (SVOC)	1	70538	70537		06/18/2004	1151	
SW846 7471A	Mercury (CVAA) Solids	i	70537	10201		06/17/2004	1330	
SW846-7471	Mercury Soil Digestion Metals Analysis (ICAP)	i	70654	70031		06/22/2004	1857	
SW846 6010B SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000	
SW846 8082	PCB Analysis	1	71155			06/27/2004	0000	0.9846
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	. 1	71146					
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214			07 124 12007	1500	
SW846 7740	Selenium (GFAA)	1	70595	70032		06/21/2004	1502	
SW846 8270C	Semivolatile Organics	1	71153			06/15/2004	0000	
EPA 160.3	Solids, Total	1	70428			00/13/2004	0000	
SW846 8260B	Volatile Organics	1	71367					
Leb ID: 237194-12	Client ID: SED-1	Date Re	cvd: 06/	11/2004	Sample	Date: 06/09/20	004	
METHOD	DESCRIPTION	RUN#		PREP BT	#(S)	DATE/TIME AN	ALYZED	DILUTION
W846 5030 (5g	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	1	70842				47/0	
#846 3050B	Acid Digestion (GFAA) Solids	1	70032		•	06/15/2004	1340	
SW846 3050B	Acid Digestion (ICP) Solids	1	70031			06/15/2004	1340 0750	
SW846 9010B	Cvanide, Total	1	70797			06/21/2004	0750	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70709					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70710 70708					
SW846 3550B	Extraction Ultrasonic (SVOC)	1 1	70758	70537		06/18/2004	1153	
SW846.7471A	Mercury (CVAA) Solids Mercury Soil Digestion	i	70537	10231		06/17/2004	1330	
SW846-7471	Heredry don't production	i	70654	70031		06/22/2004	1922	
SW846 6010B	Metals Analysis (ICAP) Organochlorine Pesticide Analysis	i	71212	,		06/29/2004	0000	
SW846 8081A SW846 8082	PCB Analysis	1	71155			06/27/2004	0000	0.9921
SW846 8082	PCB Analysis	2	71215			06/29/2004	0000	10
QA Services	Quality Assurance Services	1		*				ŀ
QA Services	Quality Assurance Services	1	71146					•
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214	70070		04 /24 /2004	1521	
SW846 7740	Selenium (GFAA)	1	70595	70032		06/21/2004	1261	
SW846 8270C	Semivolatile Organics	1	71153 70428			06/15/2004	0000	
EPA 160.3	Solids, Total	1 1	70428			00) 15/2004	*****	
LLOYD Kahn	Total Organic Carbon (Soils)	1	71367					
SW846 8260B	Volatile Organics	•	•					
Lab ID: 237194-13	Client ID: SED-2	Date Re	cvd: 06/	11/2004	Sample	Date: 06/09/20 DATE/TIME AN	U4	DILUTION
METHOD	DESCRIPTION			PREP BT	#(5)	DATE/TIME AN	VEIVER	PIFOLION
	5030 Soil(5g)Prep	1	70842			06/15/2004	1340	į
SW846 30508	Acid Digestion (GFAA) Solids	1	70032			06/15/2004	1340	
SW846 3050B	Acid Digestion (ICP) Solids	1 1	70031 70823			06/22/2004	0800	
SW846 90108	Cyanide, Total	1	70709			00, 20, 4001		1
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70710					1
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70708					1
SW846 3550B SW846 7471A	Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids	1	70538	70537		06/18/2004	1156	
2H040 141 IV	HALLOW J. CALLED, AND 1800	•						1



Job Number: 237194

Date: 07/06/2004

CUSTOMER: InteGre	yted International, LLC	PROJECT: COOPER 031	1025P	ATTN: Mark Sc	chumacher	
		Date Recyd:	06/11/2004	Sample Date: 06/09/	'2004	
Lab ID: 237194-13	Client ID: SED-2	Date Recycli	CH# PREP BT	f #(S) DATE/TIME	ANALYZED	DILUTION
METHOD	DESCRIPTION PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROPERTY OF A PROP	1 705		06/17/2004		
SW846-7471	Mercury Soil Digestion	1 706		06/22/2004	1927	
SW846 6010B	Metals Analysis (ICAP) Organochlorine Pesticide Analysis	1 712		06/29/2004		
SW846 8081A	PCB Analysis	1 711		06/27/2004		0.9970
SW846 8082 SW846 8082	PCB Analysis	2 712		06/29/2004	0000	10
QA Services	Quality Assurance Services	1				
QA Services	Quality Assurance Services	1 7114	6			
QA Services	Quality Assurance Services	1 7118	11			
QA Services	Quality Assurance Services	1 712			4274	
SV846 7740	Selenium (GFAA)	1 7059		06/21/2004	1531	
SW846 8270C	Semivolatile Organics	1 7115				
EPA 160.3	Solids, Total	1 7047		06/15/2004	0000	
LLOYD Kahn	Total Organic Carbon (Soils)	1 7073				
SW846 8260B	Volatile Organics	1 7136				
		Date Recvd:	06/11/2004	Sample Date: 06/09/	2004	1
Lab ID: 237194-14		Date Kecvo:	CH# PREP BT			DILUTION
METHOD	DESCRIPTION	1 7084		m(0) 0///2/11/12		
SW846 5030 (5g	5030 Soil(5g)Prep	1 7034		06/18/2004	1450	
SW846 3050B	Acid Digestion (GFAA) Solids	1 7034		06/18/2004		
SW846 3050B	Acid Digestion (ICP) Solids	1 7082		06/22/2004		
SW846 9010B	Cyanide, Total	1 7070		00, 22, 244		
sw846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1 7071				
SW846 3550B	Extraction Ultrasonic (PCBs)	1 7070				
W846 3550B	Extraction Ultrasonic (SVOC)	1 7108		06/29/2004	2358	
SW846 7471A	Hercury (CVAA) Solids	1 7108		06/29/2004		
sw846-7471	Mercury Soil Digestion	1 7066		06/22/2004		
SW846 6010B	Metals Analysis (ICAP)	1 7121		06/29/2004		
SW846 8081A	Organochlorine Pesticide Analysis	1 7115		06/27/2004		0.9885
SW846 8082	PCB Analysis	2 7121		06/29/2004		10
SW846 8082	PCB Analysis	1				
QA Services	Quality Assurance Services	1 7114	6			
QA Services	Quality Assurance Services	1 7118				
QA Services	Quality Assurance Services	1 7121		•		
QA Services	Quality Assurance Services	1 7059		06/21/2004	1731	i
SW846 7740	Selenium (GFAA)	1 7115				
SW846 8270C	Semivolatile Organics	1 7044		06/17/2004	0000	
EPA 160.3	Solids, Total Total Organic Carbon (Soils)	1 7073				
LLOYD Kahn SW846 8260B	Volatile Organics	1 7136				
38040 02000	TOTAL TO OF SALLED		~ / · · · · · · · · · · · · · · · · · ·	01- 0-+ 04/00/	2004	ļ
Lab ID: 237194-15	Client ID: SED-4	Date Recyd:	06/11/2004	Sample Date: 06/09/3 #(S) DATE/TIME		DILUTION
METHOD	DESCRIPTION		H# PREP BT	#(S) DATE/TIME	MUNE   ZED	DIEGITOR
SW846 5030 (5g	5030 Soil(5g)Prep	1 7084		06/15/2004	1340	
SW846 30508	Acid Digestion (GFAA) Solids	1 7003			4=44	
SW846 30508	Acid Digestion (ICP) Solids	1 7003		06/15/2004		
SW846 9010B	Cvanide, Total	1 7082		06/22/2004	0000	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1 7070				
SW846 3550B	Extraction Ultrasonic (PCBs)	1 7071				
SW846 3550B	Extraction Ultrasonic (SVOC)	1 7070		06/18/2004	1158	
sw846 7471A	Mercury (CVAA) Solids	1 7053		06/17/2004		
sv846-7471	Mercury Soil Digestion	1 7053		06/22/2004		1
SW846 6010B	Metals Analysis (ICAP)	1 7065		06/29/2004		1
SW846 8081A	Organochlorine Pesticide Analysis	1 7121		06/27/2004		0.9702
SW846 8082	PCB Analysis	1 7115		06/29/2004		10
SW846 8082	PCB Analysis	2 7121	כ	00/27/2004	0000	
						Ţ



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Job Number: 237194

Date: 07/06/2004

CUSTOMER: InteGre	yted international, ELC P	ROJECT: COOPER	0310025	P		ATTN: Mark Sch	umacher	
Lab ID: 237194-15	Client ID: SED-4 DESCRIPTION			11/2004 PREP BT		Date: 06/09/2 DATE/TIME A		DILUTIO
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	i	71181					
QA Services	Quality Assurance Services	1	71214					
SW846 7740	Selenium (GFAA)	1	70595	70032		06/21/2004	1541	
SW846 8270C	Semivolatile Organics	1	71153					
EPA 160.3	Solids, Total	1	70428			06/15/2004	0000	
LLOYD Kahn	Total Organic Carbon (Soils)	1	70737					
SW846 8260B	Volatile Organics	1	71367					
ab ID: 237194-16	Client ID: SED-5	Date Re	cvd: 06/	11/2004	Sample	Date: 06/09/2	004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTI
		1	70842					
SW846 3050B	Acid Digestion (GFAA) Solids	1	70032			06/15/2004	1340	
SW846 3050B	Acid Digestion (ICP) Solids	1	70031			06/15/2004	1340	
	Cyanide, Total	1	70823			06/22/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chior.Pest.)	1	70709					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70710					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70708					
SW846 7471A	Mercury (CVAA) Solids	1	70538	70537		06/18/2004	1204	
SW846-7471	Mercury Soil Digestion	1	70537			06/17/2004	1330	
SW846 6010B	Metals Analysis (ICAP)	1	70654	70031		06/22/2004	1936	
SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000	
	PCB Analysis	1	71155			06/27/2004	0000	0.9709
	PCB Analysis	2	71215			06/29/2004	0000	10
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214					
	Selenium (GFAA)	. 1	70595	70032		06/21/2004	1551	
	Semivolatile Organics	1	71153					
	Solids, Total	1	70428			06/15/2004	0000	
LLOYD Kahn	Total Organic Carbon (Soils)	1	70737					
	Volatile Organics	1	71367					
ab ID: 237194-17	Client ID: SED-6	Date Red	vd: 06/	11/2004	Sample	Date: 06/09/20	004	5.11117.0
METHOD	DESCRIPTION	RUN#		PREP BT	#(S)	DATE/TIME AN	IALYZED	DILUTIO
SV846 5030 (5g	5030 Soil(5g)Prep	1	70842				4156	
SW846 3050B	Acid Digestion (GFAA) Solids	1	70344			06/18/2004	1450	
SW846 3050B	Acid Digestion (ICP) Solids	1	70343			06/18/2004	1450	
SV846 9010B	Cvanide, Total	1	70823			06/22/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)		70709					
SW846 35508	Extraction Ultrasonic (PCBs)		70710					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70708			04 :70 :0001	0005	
SW846 7471A	Mercury (CVAA) Solids	1	71089	71088		06/30/2004	0005	
SH846-7471	Mercury Soil Digestion	1	71088			06/29/2004	2015	
SW846 6010B	Metals Analysis (ICAP)	1	70666	70343		06/22/2004	1149	
	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000	በ በረጣን
	PCB Analysis	1	71155			06/27/2004	0000	0.9693
SW846 8082	PCB Analysis	2	71215			06/29/2004	0000	10
QA Services	Quality Assurance Services	1						
	Quality Assurance Services	1	71146					
QA Services	A 114 Table Annual Campileon	1	71181					
QA Services	QUALITY ASSURANCE SERVICES							
QA Services QA Services	Quality Assurance Services Quality Assurance Services	1	71214 70596	70344		06/21/2004	1819	



CTDOHS PH-0554

#### LABORATORY CHRONICLE

Job Number: 237194

Date: 07/06/2004

CUSTOMER: InteGre	yted International, LLC PROJECT	r: COOPE	0310025	Ρ		ATTN: Mark Sch	umacher	
		Dat = D	ande 04	/11/2006	Sample	Date: 06/09/2	004	
Lab ID: 237194-17		vate Ke	RATCH#	PREP BT	#(S)	DATE/TIME A		DILUTION
METHOD	DESCRIPTION  Description Opposits	1	71153		7			
SW846 8270C	Semivolatile Organics	i	70446			06/17/2004	0000	
EPA 160.3	Solids, Total Total Organic Carbon (Soils)	i	70737					
LLOYD Kahn SW846 8260B	Volatile Organics	1	71367					
SHOUL DEOUD	tarerise at Saute						201	
Lab ID: 237194-18	Client ID: TRIP	Date Re	cvd: 06/	11/2004	Sample	Date: 06/09/2	UU4 NALVZED	DILLITION
METHOD	DESCRIPTION			PREP BT	#(\$)	DATE/TIME A	NALIZEV	DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep Quality Assurance Services	1	70840 71181					
QA Services	Quality Assurance Services	1 1	71367					
SW846 8260B	Volatile Organics	ŧ	1 1301					
1.6.45.07740/ 40	Client ID: L-2	Date Re	cvd: 06/	11/2004	Sample	Date: 06/10/2	004	
Lab ID: 237194-19	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A		DILUTION
METHOD SURAA SOZO(5ml	5030 5 mL Purge Prep	1	70840					
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	70033			06/16/2004	1415	
SM18 4500CNE	Cvanide, Total	1	70287			06/16/2004	1400	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	70210					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	70211					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	70209			06/27/2004	1231	
EPA 245.1	Mercury (CVAA)	1	70900 70713	70033		06/23/2004	1339	
EPA 200.7	Metals Analysis (ICP)	1	71135	10033		06/25/2004	0000	
SH846 8081A	Organochlorine Pesticide Analysis	1	71139			06/26/2004	0000	1.333
y846 8082	PCB Analysis	1	70978			06/16/2004	0420	
IC 10210001A	Phenolics, Total Recoverable Quality Assurance Services	1	,			- <del>-</del>		
QA Services QA Services	Quality Assurance Services	i	71146					
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214			07 105 10001	4707	
EPA 270.2	Selenium (GFAA)	1	70579	70033		06/21/2004	1323	
SW846 8270C	Semivolatile Organics	1	71707			06/23/2004	0404	1
SW846 8270C	Semivolatile Organics	2	71383 71383			06/23/2004	1020	•
SW846 8270C	Semivolatile Organics	2 3	71383			06/23/2004	0404	1
SW846 8270C	Semivolatile Organics	3	71383			06/23/2004	1020	•
SW846 8270C	Semivolatile Organics	1	71367					
SW846 8260B	Volatile Organics	-						
Lab ID: 237194-20	Client ID: SS-6	Date Re	cvd: 06/	11/2004	Sample	Date: 06/10/20	004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME AN	HALYZED	DILUTION
SUR46 5030 (5a	5030 Soil(5g)Prep	1	70842			04 159 12001	1/E0	
SW846 3050B	Acid Digestion (GFAA) Solids	1	70344			06/18/2004 06/18/2004	1450 1450	
	**= * * * * * * * * * * * * * * * * * *	1	70343			06/22/2004	0800	
SW846 9010B	Cyanide, Total	1 <b>1</b>	70823 70709			00/25/2004	4000	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70710					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70708					
SW846 3550B	Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids	1	71089	71088		06/30/2004	0007	
SW846 7471A SW846-7471	Mercury Soil Digestion	i	71088			06/29/2004	2015	
SW846-747) SW846-6010B	Metals Analysis (ICAP)	1	70666	70343		06/22/2004	1214	
SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000	0.07/7
SW846 8082	PCB Analysis	1	71155			06/27/2004	0000	0.9743
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214	70344		06/21/2004	1839	
SW846 7740	Selenium (GFAA)	1	70596	10344		00/ = 1/ 0007	/	
								1
								Ì

SEVERN STL NYSDOH 10142

EPA NY049

#### LABORATORY CHRONICLE

Job Number: 237194

Date: 07/06/2004

			**********	************	************			
CUSTOMER: InteGr	eyted international, LLC F	ROJECT: COOPE	0310025	P		ATTH: Mark Sch	umacher	
Lab ID: 237194-20	Client ID: \$S-6	hate Re	ecvd: 06/	11/2004	Sample	Date: 06/10/2	2004	
	DESCRIPTION			PREP BT		DATE/TIME A		DILUTIO
METHOD SW846 8270C	Semivolatile Organics	1	71153			·		
EPA 160.3	Solids, Total	<u>i</u>	70446			06/17/2004	0000	
SW846 8260B	Volatile Organics	ĺ	71367					
3W040 0Z000	Votatite organics	•	, ,					
Lab ID: 237194-21	Client ID: SS-7	Date Re	cvd: 06/	11/2004	Sample	Date: 06/10/2	004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) <sup>*</sup>	DATE/TIME A	NALYZED	DILUTION
	5030 Soil(5g)Prep	1	70842					
SW846 3050B	Acid Digestion (GFAA) Solids	1	70032			06/15/2004	1340	
SW846 3050B	Acid Digestion (ICP) Solids	1	70031			06/15/2004	1340	
SW846 9010B	Cyanide, Total	1	70823			06/22/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70709					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70710					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70708					
SW846 7471A	Mercury (CVAA) Solids	1	70538	70537		06/18/2004	1206	
SW846-7471	Mercury Soil Digestion	1	70537			06/17/2004	1330	
SW846 6010B	Metals Analysis (ICAP)	1	70654	70031		06/22/2004	1940	
SW846 8081A	Organochlorine Pesticide Analysis	1	71212			06/29/2004	0000	
SW846 8082	PCB Analysis	1	71155			06/27/2004	0000	0.9750
QA Services	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	1	71181					
OA Services	Quality Assurance Services	1	71214					
1846 7740	Selenium (GFAA)	1	70595	70032		06/21/2004	1611	
J846 8270C	Semivolatile Organics	1	71153					
EPA 160.3	Solids, Total	1	70428			06/15/2004	0000	
SW846 8260B	Volatile Organics	1	71367					
ORO-10 0100D	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Lab ID: 237194-22	Client ID: SS-8	Date Re	cvd: 06/	11/2004	Sample	Date: 06/10/2	004	
METHOD		D11112	DATCU#	DDED RT	#(\$)	. DATE/TIME A	UAI Y7FD	DILUTION
	DESCRIPTION	KUNR	DAIGH	LUCL DI	", ", ",	DAIL/ ITIE A	IVE ITED	2.20
SV846 5030 (5g	DESCRIPTION 5030 Soil(5g)Prep	1 RUN#	70842	FREE DI	"(0)			<i>D.</i> 2011.011
SW846 5030 (5g	5030 Soil(5g)Prep			FREE DI	,,,,,	06/15/2004	1340	
SW846 3050B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids	1	70842 70032 70031	FREI DI	,,,,,	06/15/2004 06/15/2004	1340 1340	
SW846 3050B SW846 3050B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide. Total	1 1	70842 70032 70031 70823	LUCI DI	,,,,,	06/15/2004	1340	<b></b>
SW846 3050B SW846 3050B SW846 9010B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide. Total	1 1 1	70842 70032 70031 70823 70709	THE DI	,,,,,	06/15/2004 06/15/2004	1340 1340	
SW846 30508 SW846 30508 SW846 90108 SW846 35508	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.)	1 1 1 1	70842 70032 70031 70823 70709 70710	FREE DI	,,,,,	06/15/2004 06/15/2004	1340 1340	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs)	1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708		,,,,,	06/15/2004 06/15/2004 06/22/2004	1340 1340 0800	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC)	1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538	70537	,,,,,	06/15/2004 06/15/2004 06/22/2004 06/18/2004	1340 1340 0800	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids	1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537		,,,,,	06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004	1340 1340 0800 1209 1330	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion	1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654		,,,,,	06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004	1340 1340 0800 1209 1330 1945	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846 6010B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP)	1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212	70537		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004	1340 1340 0800 1209 1330 1945 0000	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846 6010B SW846 8081A	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis	1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654	70537		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004	1340 1340 0800 1209 1330 1945	0.9750
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846 7471 SW846 6010B SW846 8081A SW846 8082	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis	1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212	70537		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004	1340 1340 0800 1209 1330 1945 0000	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846-7471 SW846 6010B SW846 8081A SW846 8082 QA Services	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services	1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212	70537		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004	1340 1340 0800 1209 1330 1945 0000	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846-7471 SW846-7471 SW846-8081A SW846 8081A SW846 8082 QA Services	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (PCBs) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services	1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181	70537		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004	1340 1340 0800 1209 1330 1945 0000	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846-7471 SW846-7471 SW846-8081A SW846 8081A SW846 8082 QA Services QA Services	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services	1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214	70537 70031		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004	1340 1340 0800 1209 1330 1945 0000	
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846 7471 SW846 7471 SW846 6010B SW846 8081A SW846 8081A SW846 8082 QA Services QA Services QA Services	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services	1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595	70537		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004	1340 1340 0800 1209 1330 1945 0000	
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services QA Services	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Selenium (GFAA)	1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153	70537 70031		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004	1340 1340 0800 1209 1330 1945 0000 0000	
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846-7471 SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services SW846 7740 SW846 8270C	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Selenium (GFAA) Semivolatile Organics	1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153 70428	70537 70031		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004	1340 1340 0800 1209 1330 1945 0000	
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846 6010B SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services SW846 7740 SW846 8270C EPA 160.3	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Solids, Total	1 1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153	70537 70031		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004	1340 1340 0800 1209 1330 1945 0000 0000	
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846-7471 SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services SW846 7740 SW846 8270C	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Selenium (GFAA) Semivolatile Organics	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153 70428 71367	70537 70031 70032		06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004 06/21/2004	1340 1340 0800 1209 1330 1945 0000 0000	
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846 6010B SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services QA Services SW846 8270C EPA 160.3 SW846 8260B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Solids, Total	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153 70428 71367	70537 70031 70032	Sample	06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004 06/21/2004 06/15/2004	1340 1340 0800 1209 1330 1945 0000 0000	0.9750
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services QA Services SW846 7740 SW846 8270C EPA 160.3 SW846 8260B	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Selenium (GFAA) Semivolatile Organics Solids, Total Volatile Organics Client ID: SS-9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153 70428 71367	70537 70031 70032	Sample	06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004 06/21/2004	1340 1340 0800 1209 1330 1945 0000 0000	
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846 6010B SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services QA Services QA Services SW846 8270C EPA 160.3 SW846 8260B Lab ID: 237194-23 METHOD	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Selenium (GFAA) Semivolatile Organics Solids, Total Volatile Organics Client ID: SS-9 DESCRIPTION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153 70428 71367	70537 70031 70032	Sample	06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004 06/21/2004 06/15/2004 Date: 06/10/20	1340 1340 0800 1209 1330 1945 0000 0000 1621 0000	0.9750
SW846 3050B SW846 3050B SW846 9010B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services QA Services QA Services QA Services SW846 7740 SW846 8270C EPA 160.3 SW846 8260B Lab ID: 237194-23 METHOD SW846 5030 (5g	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Selenium (GFAA) Semivolatile Organics Solids, Total Volatile Organics  Client ID: SS-9 DESCRIPTION 5030 Soil(5g)Prep	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153 70428 71367 evd: 06/ BATCH# 70842 70032	70537 70031 70032	Sample	06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004 06/27/2004 Date: 06/10/20 DATE/TIME AN	1340 1340 0800 1209 1330 1945 0000 0000 1621 0000	0.9750
SW846 3050B SW846 3050B SW846 3050B SW846 3550B SW846 3550B SW846 3550B SW846 7471A SW846-7471 SW846 6010B SW846 8081A SW846 8082 QA Services QA Services QA Services QA Services QA Services SW846 7740 SW846 8270C EPA 160.3 SW846 8260B Lab ID: 237194-23 METHOD	5030 Soil(5g)Prep Acid Digestion (GFAA) Solids Acid Digestion (ICP) Solids Cyanide, Total Extraction Ultrasonic (Chlor.Pest.) Extraction Ultrasonic (SVOC) Mercury (CVAA) Solids Mercury Soil Digestion Metals Analysis (ICAP) Organochlorine Pesticide Analysis PCB Analysis Quality Assurance Services Quality Assurance Services Quality Assurance Services Quality Assurance Services Selenium (GFAA) Semivolatile Organics Solids, Total Volatile Organics Client ID: SS-9 DESCRIPTION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70842 70032 70031 70823 70709 70710 70708 70538 70537 70654 71212 71155 71146 71181 71214 70595 71153 70428 71367	70537 70031 70032	Sample	06/15/2004 06/15/2004 06/22/2004 06/18/2004 06/17/2004 06/22/2004 06/29/2004 06/27/2004 06/21/2004 06/15/2004 Date: 06/10/20	1340 1340 0800 1209 1330 1945 0000 0000 1621 0000	0.9750



Job Number: 237194

Date: 07/06/2004

		PROJECT: COOPER	กรากกร	ip.		ATTN: Mark Sch	umacher	
CUSTOMER: InteGre	yted International, LLC	TAGESTA BOOTER						
Lab ID: 237194-23	Client ID: SS-9			/11/2004		Date: 06/10/2		
METHOD	DESCRIPTION			PREP BT	#(S)	DATE/TIME A		DILUTION
SW846 9010B	Cyanide, Total	1	70823			06/22/2004	0800	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70709					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70710					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70708	70577		06/18/2004	1210	
SW846 7471A	Mercury (CVAA) Solids	1	70538	70537		06/17/2004	1330	
sw846-7471	Mercury Soil Digestion	1	70537 70654	70031		06/22/2004	1949	
SW846 6010B	Metals Analysis (ICAP)	1	71212	10021		06/29/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	1	71155			06/27/2004	0000	0.9712
SW846 8082	PCB Analysis	1	(1122			00, 21, 2004	4000	0,772
QA Services	Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services	i	71181					
QA Services	Quality Assurance Services	i	71214					
QA Services	Quality Assurance Services Selenium (GFAA)	i	70595	70032		06/21/2004	1631	
SW846 7740	Semivolatile Organics	i	71153	,		. •		
SW846 8270C EPA 160.3	Solids, Total	i	70428			06/15/2004	0000	
SW846 8260B	Volatile Organics	<u>i</u>	71367					
3#040 DEOVD	Totalite of guillon							
Lab ID: 237194-24	Client ID: SS-10			11/2004	Sample	Date: 06/10/20	004	
METHOD	DESCRIPTION	RUN#		PREP BT	#(S)	DATE/TIME A	IALYZED	DILUTION
SW846 5030 (5g	5030 Soil(5g)Prep	1	70842				4740	
SW846 30508	Acid Digestion (GFAA) Solids	1	70032			06/15/2004	1340	
V846 3050B	Acid Digestion (ICP) Solids	1	70031			06/15/2004 06/22/2004	1340 0800	
,846 9010B	Cyanide, Total	1	70823			06/22/2004	BOOD	
SW846 3550B	Extraction Ultrasonic (Chlor.Pest.)	1	70709					
SW846 3550B	Extraction Ultrasonic (PCBs)	1	70710					
SW846 3550B	Extraction Ultrasonic (SVOC)	1	70708 70538	70537		06/18/2004	1212	
SW846 7471A	Mercury (CVAA) Solids	1	70537	10231		06/17/2004	1330	
sw846-7471	Mercury Soil Digestion	1	70728	70031		06/23/2004	1529	2.000
SW846 6010B	Metals Analysis (ICAP)	i	71212	10031		06/29/2004	0000	
SW846 8081A	Organochlorine Pesticide Analysis	4	71155			06/27/2004	0000	0.9842
SW846 8082	PCB Analysis	· i	1 : 1			,,		
QA Services	Quality Assurance Services Quality Assurance Services	1	71146					
QA Services	Quality Assurance Services Quality Assurance Services	1	71181					
QA Services	Quality Assurance Services	1	71214					
QA Services	Selenium (GFAA)	1	70595	70032		06/21/2004	1641	
SW846 7740	Semivolatile Organics	i	71153					
SW846 8270C EPA 160.3	Solids, Total	i	70428			06/15/2004	0000	
SW846 8260B	Volatile Organics	1	71367					Î
38040 05000	two and the set general							



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EPA NY049

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V.50 No.3, January 4, 1985.
- Federal Register, V.49, No. 209, October 26, 1984.
- "Methods for the Determination of Organic Compounds in Drinking Water EPA/600/4-88/039, December 1988.
- Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography With Photoionization and Electrolytic Conductivity Detectors in Series, EMSL, Cincinnati, Ohio, 45268, Revision 2.0(1989).
- EPA Method for the Determination of Gasoline Range Organics, Draft, REV. 5, 2/5/92.
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol. 1 , October 1995.
- USEPA CLP SOW for Organics Analysis Low Concentration Water
- USEPA CLP SOW for Organics Analysis Multi-Media, Multi-Concentration

CTDOHS PH-0554

PA 68-378

NJDEP 73015

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V. 50 No. 3, January 4, 1985.
- "Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.
- EPA Method for the Determination of Diesel Range Organics, Draft, Rev. 5, 2/5/92.
- "New York State Department of Environmental Conservation Analytical Services Proticol, Vol. 1, October 1995.
- "Analysis of Extractable Total Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection", Environmental Research Institute, University of Connecticut, March 1999.
- " Analytical Handbook for the Laboratory of Organic Analytical Chemistry", Wadsworth Center for Laboratories and Research, New York State Department of Health, August 1991.

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- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V.49, No.209, October 26, 1984.
- "Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol. 1, October 1995.

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983
- "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992
- Atomic Absorption Furnace Technique
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- "Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.
- HACH8000 1979 Handbook
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol.2, October 1995.
- "Determination of Cyanide" (Macro Distillation Method in Waters), QUIK CHEM Method 10-204-00-1-A, Karin Wendt, Revised June 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218
- "Determination of Nitrate/Nitrite in Surface and Wastewaters by Flow Injection Analysis", QUICK CHEM Method 10-107041A, Karin Wendt, Revised June 24, 1997, Zellweger Analytics, Milwaukee, Wi. 53218
- "Determination of Total Recoverable Phenols by Flow Injection Analysis Colorimetry", QUIK CHEM Method 10-210-00-1-A, Ninglan Liao, Revised August 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218.
- "Determination of Nitrogen, Total Kjeldahl by Flow Injection Analysis Colorimetry" QUIK CHEM Method 10-107-06-2-D, Kevin Switala, Revised October 7, 1997, Lachat Instruments, Milwaukee, Wi 53218.

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EPA NY049

Client: Integreyted Date: 06/25/04 STL Lab No.: 237194

Page 1 of 5

#### Volatiles

#### Surrogate Recovery

The surrogate recovery for the following sample is outside the acceptable limits:

SS-5 (237194-11): failed toluene-d8

SS-10RE (237194-24RE): failed toluene-d8

Client ID SS-5 (237194-11) was re-analyzed and contains acceptable surrogate recoveries, however both analyses are included in the final report due to internal standard area counts outside the acceptable limits.

#### Internal Standards

Several samples contain internal standard area counts outside the acceptable limits. As per the protocol, the samples were re-analyzed. Client ID SS-10RE (237194-24RE) contains acceptable internal standard area counts. Due to the surrogate recovery failure in the reanalysis, both analyses have been included in the final report.

#### Semi-Volatiles

#### Sample Dilution

The following sample was diluted at the indicated amount due to compounds that exceed the linear calibration range:

SED-2DL (237194-013DL): 2x

#### Extraction

Several samples were extracted using less than 1000mls.

# Matrix Spike/Matrix Spike Duplicate

#### Water

The percent recovery for 1,2,4-Trichlorobenzene in the matrix spike falls outside the acceptable limits. It is important to note, however, that the recovery in the associated matrix spike blank is acceptable.

The %RPD for 1,4-Dichlorobenzene and 1,2,4-Trichlorobenzene falls outside the acceptable limits.



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#### Soil

The percent recovery for 4-Nitrophenol in the matrix spike duplicate falls outside the acceptable limits. It is important to note, however, that the recovery in the associated matrix spike blank is acceptable.

The %RPD for Acenaphthene falls outside the acceptable limits.

#### Internal Standards

#### Water

Sample L-2 (237194-019) contains internal standard area counts outside the acceptable limits for Perylene-d12. The sample was re-analyzed.

#### Soil

Several samples contain internal standard area counts outside the acceptable limits. As per the protocol, the samples were either re-analyzed or analyzed as a dilution.

#### Other

Spiking compounds were inadvertently added to SBLK17. As per the protocol the compounds were less than 10ug/I therefore the blank is acceptable.

#### Pesticides/PCB's

#### 8081

#### Surrogate Recovery

Several samples contain surrogate recovery that is outside of the advisory control limits on both analytical columns.

#### Blank Spike

The percent recovery of gamma-BHC, heptachlor and aldrin in PBSPK11 is outside of the acceptable control limits.

The percent recovery of gamma-BHC and aldrin in PBSPK18 is outside of the acceptable control limits.



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Client: Integreyted
Date: 06/25/04
STL Lab No.: 237194

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#### Matrix Spike/Matrix Spike Duplicate

The percent recovery of some compounds in SW-3MS/MSD(237194-03MS/MSD) and SEDMS/MSD(237194-14MS/MSD) is outside of the acceptable control limits.

#### Continuing Calibration

The percent RPD of several compounds in the continuing calibration standards analyzed on 06/25/04, 06/28/04-06/29/04 are outside of the acceptable limits. Due to matrix effect from previously analyzed samples, several compounds in the continuing calibration standard PEST @20, analyzed 06/29/04(11:24) were not detected.

#### 8082

#### Surrogate Recovery

Several samples contain surrogate recovery that is outside of the advisory control limits on both analytical columns.

#### Matrix Spike/Matrix Spike Duplicate

Due to matrix interference the percent recovery of aroclor 1242 inSED-3MS/MSD(237194-14MS/MSD) is outside of the acceptable control limits. However, please note the associated blank spike contains acceptable recoveries.

#### Sample Dilution

Several samples were diluted 10x due to target compounds that exceed the linear calibration range.

#### **Inorganics**

#### **ICP**

#### Matrix Spike/Duplicate

The percent spike recovery of silver in spike sample number SW-3MS (237194-03MS) is outside of the established control limits. The data is qualified accordingly.

The percent spike recovery of silver in spike sample number SS-1MS (237194-07MS) is outside of the established control limits. The data is qualified accordingly.

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Client: Integreyted Date: 06/25/04 STL Lab No.: 237194

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The percent spike recovery of silver and zinc in spike sample number SED-3MS (237194-14MS) is outside of the established control limits. The data is qualified accordingly. As per the protocol, a post digestion spike was analyzed for zinc.

The duplicate percent RPD of cadmium, lead and zinc in duplicate sample number SED-3MD (237194-14MD) is outside of the established control limits. The data is qualified accordingly.

#### Serial Dilution

The percent difference of zinc in serial dilution sample number SS-1L (237194-07L) falls outside the control limit of 10%. As a result a chemical or physical interference may be suspected and the associated data is qualified with an "E".

#### Sample Dilution

The following sample was diluted at the indicated amount and reanalyzed due to the interference of iron on the undiluted sample at a concentration above the linear range of the instrument:

SS-10 (237194-24): 2x

#### Method Blank

The concentration of iron in the method blank # 70031 analyzed on 6/22/04 is greater than the CRDL. However, the samples associated with method blank # 70031 contain iron at concentrations greater than 10 times the concentration of iron in the method blank.

#### **GFAA Selenium**

The concentration of selenium in the following sample is greater than 50% of the analytical spike, and the analytical spike recovery is less than 85%. Therefore, the sample was quantitated by the method of standard addition.

SW-1 (237194-01)

#### Wet Chemistry

#### Cyanide

Matrix Spike/Duplicate



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Client: Integreyted Date: 06/25/04 STL Lab No.: 237194

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The matrix spike/duplicate associated with laboratory number 237194 was performed on sample number ZZZZZ (237118-15).

The percent spike recovery of cyanide in spike sample number ZZZZZMS (237118-15MS) is outside of the established control limits. The associated data is qualified accordingly.

#### Subcontract

The TOC analyses were subcontracted to STL Burlington.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

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#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	SAMP	LE	NO.
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Lab Name: STL No		Contract:		
Lab Code: 10142	Case No.:	SAS No.: SDG N	lo.: <u>23719</u>	94
Matrix: (soil/water)	WATER	Lab Sample ID: 237	194-001	
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID: W36	617.D	_
Level: (low/med)	LOW	Date Received: 6/11	/2004	<del></del>
% Moisture: not dec.		Date Analyzed: 6/23	/2004	_
GC Column: DB-624	ID: <u>0.53</u> (mm)	Dilution Factor: 1.0		
Soil Extract Volume:		Soil Aliquot Volume:		_ (uL)
<b>50</b> , <b>2</b> , <b>1</b> , <b>1</b> , <b>1</b> , <b>1</b> , <b>1</b> , <b>1</b> , <b>1</b> , <b>1</b>		Units: (ug/L or ug/Kg)		
		• • • • • • • • • • • • • • • • • • • •		<del></del>
CAS NO.	COMPOUND	RESULT		RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		Ų	10
108-05-4	Villa d A antata		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		<u> </u>	10
108-88-3	Toluene		U.	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U.	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
1330-20-1	Total-1 2-Dichoroethene	4	J	10

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#### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

Lab Name:	STL Ne	wburgh		Co	ntract:	SW-1	
Lab Code:	10142	Cas	se No.:		SAS No.:	SDG No.:	237194
Matrix: (soil/v	vater)	WATER	_		Lab Sampl	e ID: 237194-0	001
Sample wt/vo	ol:	5.0	(g/ml) ML	·	Lab File ID	: <u>W3617.D</u>	)
Level: (low/n	ned)	LOW			Date Rece	ived: 6/11/2004	4
% Moisture: r	not dec.				Date Analy	zed: <u>6/23/200</u> 4	4
GC Column:	DB-624	ID: 0.5	3 (mm)		Dilution Fa	ctor: 1.0	
Soil Extract V			(uL)		Soil Aliquot	t Volume:	(uL
					NTRATION UN		
Number TICs	found:	0	<u> </u>	(ug/L or	ug/Kg) <u>UG</u>		
CAS NO.		COMPOU	ND NAME		RT	EST. CONC.	. Q

STL NYSDOH 10142

NJDEP 73015

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### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SAMPL	_E	NO.
-----	-------	----	-----

Lab Name: STL N	ewburgh	Contract:	SVV-2	
Lab Code: 10142		SAS No.: SE	OG No.: 23719	4
Matrix: (soll/water)		Lab Sample ID:		
•	5.0 (g/ml) ML	Lab File ID:		
·		_ Date Received:		-
Level: (low/med)	<del></del>	·		-
% Moisture: not dec.		Date Analyzed:	6/23/2004	~
GC Column: DB-624	ID: <u>0.53</u> (mm)	Dilution Factor:	1.0	-
Soil Extract Volume:	(uL)	Soil Aliquot Volun	ne:	_ (uL)
		Units: (ug/L or ug	/Kg) UG/L	
CAS NO.	COMPOUND	RESUL	T Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chioride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		· U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachioroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
	1,3-Dichlorobenzene		U	10
541-73-1	1,4-Dichlorobenzene		Ū	10
106-46-7	1,2-Dichlorobenzene		Ü	10
95-50-1	Xylenes, total		U	10
1330-20-7	Total-1,2-Dichoroethene		5 J	10
540-59-0	TOTAL TIZ-DIGITOR OF CHIEFIE			

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3/90 M-NY049 STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	N0.
SW-2	

Lab Name:	STL Ne	wburgh		Contra	ct:		. 🖵		
Lab Code:	10142	Case	No.:	SAS	No.:	_ SI	OG No.:	2371	94
Matrix: (soil/v	vater)	WATER			Lab Sample	ID:	237194-	002	<del></del>
Sample wt/vo	ol:	5.0 (9	g/ml) ML_		Lab File ID:		W3618.	<u> </u>	
Level: (low/n	ned)	LOW			Date Receiv	ed:	6/11/200	)4	<u> </u>
% Moisture: r	not dec.				Date Analyz	ed:	6/23/200	)4	_
GC Column:	DB-624	ID: 0.53	(mm)		Dilution Fac	tor:	1.0		
Soil Extract V	olume:	(	uL)		Soll Aliquot	Volur	me:		(uL)
					RATION UNI Ka) UG/				
Number TICs	found:	0		(ug/L or ug/l	(g) <u>00/</u>	<u> </u>		<del></del>	
CAS NO.		COMPOUND	NAME		RT	ES	T. CONC	).	Q

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### VOLATILE ORGANICS ANALYSIS DATA SHEET

FPA	SAME	PLE	NO.
_, _	CAMIN		110.

SW-3	
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Lah Name:	STL Newburgh	Contract:	Sv	V-3		
			000 14	02740		
Lab Code:	10142 Case No.:	···········	SDG N		4	
Matrix: (soil/v	water) WATER	Lab S	Sample ID: 2371	94-003		
Sample wt/vo	ol: <u>5.0</u> (g/ml) <u>i</u>	<u>VIL</u> Lab F	file ID: W36	20.D	_	
Level: (low/n	ned) LOW	Date	Received: 6/11/	2004	_	
% Moisture: r	not dec.	Date:	Analyzed: 6/23/	2004		
GC Column:	DB-624 ID: 0.53 (mn	n) Dilutio	on Factor: 1.0			
	/olume:(uL)	•	liquot Volume:		uL)	
OOII EXII GOL V	(4-)		(ug/L or ug/Kg)		* ' '	
•		Orino.	(ugit of ugitty)			
CAS NO.	COMPOUND		RESULT	Q		RL
74-87-3	Chloromethane			U		10
74-83-9	Bromomethane			U		10
75-01-4	Vinyl Chloride			U		10
75-00-3	Chloroethane			U		10
75-09-2	Methylene Chloride			U	···-	10
67-64-1	Acetone			U		10
75-15-0	Carbon Disulfide			U		10
75-35-4	1,1-Dichloroethene			U		10
75-34-4	1,1-Dichloroethane			<u>U</u>		10
67-66-3	Chloroform			U		10
107-06-2	1,2-Dichloroethane			U		10
78-93-3	2-Butanone			· U		10
108-05-4	Vinyl Acetate			U		10
71-55-6	1,1,1-Trichloroethan	<del>0</del>		U		10
56-23-5	Carbon Tetrachloride	<u>}</u>		U		10
75-27-4	Bromodichlorometha	ne		U	<del>-</del> _	10
78-87-5	1,2-Dichloropropane			U	<u> </u>	10
10061-01-5	cis-1,3-Dichloroprop	ene		U		10
79-01 <b>-</b> 6	Trichloroethene			U		10
71-43-2	Benzene			<u> </u>		10
124-48-1	Dibromochlorometha	ine		<u> </u>		10
110-75-8	2-Chloroethylvinyleth	ег		U	-	10
10061-02-6	trans-1,3-Dichloropro			U	_,	10
79-00-5	1,1,2-Trichloroethane	<del>}</del>		U		10
75-25-2	Bromoform			U	<del></del>	10
108-10-1	4-Methyl-2-Pentanon	<u>e</u>		U	P1	10
591-78-6	2-Hexanone			U		10
127-18-4	Tetrachloroethene			U		10
79-34-5	1,1,2,2-Tetrachloroet	hane		U _		10
108-88-3	Toluene			U		10
108-90-7	Chlorobenzene			U		10
100-41-4	Ethylbenzene			U		10
100-42-5	Styrene			<u>U</u>		10
541-73-1	1,3-Dichlorobenzene			U	<del></del>	10
106-46-7	1,4-Dichlorobenzene			U		10
95-50-1	1,2-Dichlorobenzene			U		10
1330-20-7	Xylenes, total			U		10
E40 E0 0	Total 1.2 Dichargeth	ane	7	J		10

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NYSDOH 10142 NJDEP 73015

PA 68-378

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EFAS	AMPLE NO.
SW-3	

Lab Name:	STL Ne	wburgh		Contra	ct:	Sw-3	
Lab Code:	10142		se No.:	 SAS	No.:	SDG No.: 2371	94
Matrix: (soil/v	vater)	WATER			Lab Sample	ID: <u>237194-003</u>	<del></del>
Sample wt/vo		5.0	(g/ml) ML		Lab File ID:	W3620.D	
Level: (low/n		LOW			Date Receiv	/ed: 6/11/2004	
% Moisture: 1	•		_		Date Analyz	ed: 6/23/2004	
GC Column:	DB-624	ID: 0.	53 (mm)		Dilution Fac	tor: 1.0	
Soil Extract V	-		(uL)		Soil Aliquot	Volume:	(uL)
				CONCENT	RATION UNI	TS:	
Number TICs	s found:	0	_	(ug/L or ug/l	(g) <u>UG/</u>	<u>L</u>	
CAS NO.		COMPOL	JND NAME		RT	EST. CONC.	Q

3/90

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

•	EPA SAMPLE NO.
	SW-4

Joh Nome: STI N	ewburgh	Contract:	377-4	
	evenus S		OG No : 23719	4
Lab Code: <u>10142</u>	Case No.:	SAS No.: SD		
Matrix: (soil/water)	WATER	Lab Sample ID:	237194-004	<del></del>
Sample wt/vol:	5.0 (g/ml) ML	_ Lab File ID:	W3621.D	_
Level: (low/med)	<b>,</b>	Date Received:	6/11/2004	
% Moisture: not dec.	<del></del>	Date Analyzed:	6/23/2004	
		•		÷ '
GC Column: DB-624	ID: <u>0.53</u> (mm)	Dilution Factor:		-
Soil Extract Volume:	(uL)	Soil Aliquot Volun	ne:	_ (uL)
		Units: (ug/L or ug/	/Kg) <u>UG/L</u>	
0.0.00	COMPOUND	RESUL	T Q	RL
CAS NO.	COMPOUND			
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
	2-Butanone		U	10
78-93-3	Vinyl Acetate		U	10
108-05-4	1,1,1-Trichloroethane		U	10
71-55-6	Carbon Tetrachloride		U	10
56-23-5	Bromodichloromethane		U	10
75-27-4	1,2-Dichloropropane		U	10
78-87-5	cis-1,3-Dichloropropene		U	10
10061-01-5			U.	10
79-01-6	Trichloroethene		Ü	10
71-43-2	Benzene		Ū	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		Ŭ	10
75-25-2	Bromoform		Ü	10
108-10-1	4-Methyl-2-Pentanone		Ŭ	10
591-78-6	2-Hexanone		Ü	10
127-18-4	Tetrachloroethene		Ü	10
79-34-5	1,1,2,2-Tetrachloroethane		Ü	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene			10
106-46-7	1,4-Dichlorobenzene		U	
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		7 J	10

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VERN STL NYSDOH 10142

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SA	MPLE	NO.
SW-4	-	

Lab Name:	STL Ne	wburgh		Contrac	ot:				
Lab Code:	10142	Cas	se No.:	SAS	No.:	_ SD	G No.:	2371	94
Matrix: (soil/v	vater)	WATER	_		Lab Sample	ID:	237194-	004	
Sample wt/vo	ol:	5.0	(g/mi) ML	<u> </u>	Lab File ID:	1	W3621.I	<u> </u>	_
Level: (low/n		LOW			Date Receiv	red: <u>(</u>	6/11/200	)4	
% Moisture: r			_		Date Analyz	ed: _	6/23/200	)4	_
GC Column:	DB-624	ID: 0.5	3 (mm)		Dilution Fac	tor: _	1.0		
Soil Extract V			_ (uL)		Soil Aliquot`	Volun	ne:		(uL)
Number TICs	s found:	0	_	CONCENTR (ug/L or ug/k					
CAS NO.		COMPOU	ND NAME		RT	EST	r. conc	). <u> </u>	Q

3/90

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SA	MPLE NO.
SW-5	

Lab Name:	STL Ne	wburgh	Contract	:	_ ["	<b>V</b> -0		
Lab Code:	10142	Case No.:	_ SAS	No.: S	DG N	o.: <u>2371</u>	94	
Matrix: (soil/wa	ater)	WATER	L	ab Sample ID:	2371	94-005		
Sample wt/vol	Í <b>:</b>	5.0 (g/ml) ML	L	ab File ID:	W36	22.D		
Level: (low/me			<del>_</del>	ate Received:	6/11	2004		
% Moisture: no			Г	ate Analyzed:	6/23/	2004		
				•		4.01	_	
GC Column: L	<u> </u>	ID: <u>0.53</u> (mm)		ilution Factor:		• • •	<b>-</b>	
Soil Extract Vo	olume:	(uL)	S	oil Aliquot Volu	me:		_ (uL)	
			U	inits: (ug/L or u	g/Kg)	UG/L		
CAS NO.	ſ	COMPOUND		RESU	LT	Q		RL
74-87-3		Chloromethane				Ū		10
74-83-9		Bromomethane				<u> </u>	<u> </u>	10
75-01-4		Vinyl Chloride				U	`	10
75-00-3		Chloroethane			_	U		10
75-09-2		Methylene Chloride				U		10
67-64-1		Acetone				U		10
75-15-0		Carbon Disulfide				U	-	10
75-35-4		1,1-Dichloroethene				U		10
75-34-4		1,1-Dichloroethane				Ü	<del></del>	10
67-66-3		Chloroform				U		10
107-06-2		1,2-Dichloroethane				U		10
78-93-3		2-Butanone				· U		10
108-05-4		Vinyl Acetate				<u> </u>		10
71-55-6		1,1,1-Trichloroethane				U		<u>10</u> 10
<u> 56-23-5</u>	+	Carbon Tetrachloride				U		10
75-27-4		Bromodichloromethane				U	<del></del>	10
78-87-5		1,2-Dichloropropane				U		10
10061-01-5		cis-1,3-Dichloropropene				U		10
79-01-6		Trichloroethene				Ü		10
71-43-2		Benzene Dibromochloromethane		<del></del>	-	Ü		10
124-48-1		2-Chloroethylvinylether				Ü		10
110-75-8	<del></del>	trans-1,3-Dichloropropene				- Ŭ		10
10061-02-6 79-00-5		1,1,2-Trichloroethane	<del></del>			Ü		10
7 <del>9-00-3</del> 75-25-2		Bromoform				Ū		10
108-10-1		4-Methyl-2-Pentanone				U		10
591-78-6		2-Hexanone				U		10
127-18-4		Tetrachloroethene				U		10
79-34-5		1,1,2,2-Tetrachloroethane				U_		10
108-88-3		Toluene				U		10
108-90-7		Chlorobenzene				U		10
100-41-4		Ethylbenzene				U		10
100-42-5		Styrene				U		10
541-73-1	-	1,3-Dichlorobenzene				<u>U</u>		10
106-46-7		1,4-Dichlorobenzene				U		10
95-50-1		1,2-Dichlorobenzene				<u> </u>		10
1330-20-7		Xylenes, total				U		10
540-59-0		Total-1,2-Dichoroethene		<u> </u>	7	J		10

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SW-5	

Lab Name:	STL Ne	wburgh	Contrac	ot:		
Lab Code:	10142	Case No.:	SAS	No.:	_ SDG No.: 237	194
Matrix: (soil/v	water)	WATER		Lab Sample	ID: <u>237194-005</u>	
Sample wt/vo	ol:	5.0 (g/ml) M	<u>L</u>	Lab File ID:	W3622.D	
Level: (low/n	ned)	LOW		Date Receive	ed: 6/11/2004	
% Moisture: I		<u> </u>		Date Analyze	ed: 6/23/2004	<u></u>
GC Column:	DB-624	ID: 0.53 (mm)		Dilution Fact	or: <u>1.0</u>	
Soil Extract \	/olume:	(uL)		Soil Aliquot \	/olume:	(uL)
			CONCENTE			
Number TICs	s found:	<u> </u>	(ug/L or ug/k	(g) <u>UG/l</u>		
CAS NO.		COMPOUND NAME		RT	EST. CONC.	Q

3/90

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
I -1

Lab Name:	STL Ne	ewburgh	Contract:		·		
Lab Code:		<del>'''</del>	SAS No.:	_ SDG N	lo.: <u>23719</u>	4	
Matrix: (soil/		<del></del>	Lab Sample	ID: <u>237</u>	194-006		
		5.0 (g/ml) ML	Lab File ID:	W36	323.D		
•		<del></del>		.ed: 6/11	/2004	_	
Level: (low/r	nea)	LOW				-	
% Moisture:	not dec.		Date Analyz			-	٠
GC Column:	DB-624	ID: <u>0.53</u> (mm)	Dilution Fac	tor: 1.0		_	
		(uL)	Soll Aliquot	Volume:		_ (uL)	
	,		Units: (ug/L	or ua/Ka)	UG/L		
			o.mo. (og. =	<sub>9</sub> ,9,			
CAS NO.		COMPOUND	R	ESULT	Q	RL	
0, 10 1.0					<del></del>		_
74-87-3		Chloromethane			U	10 10	
74-83-9		Bromomethane			U	10	_
75-01-4		Vinyl Chloride			U	10	
75-00-3		Chloroethane			U	10	_
75-09-2		Methylene Chloride			<del>                                     </del>	10	_
67-64-1		Acetone		12	U	10	
75-15-0		Carbon Disulfide			U	10	
75-35-4		1,1-Dichloroethene		· · · · ·	Ü	10	_
75-34-4		1,1-Dichloroethane			U	10	_
67-66-3		Chloroform			U	10	
107-06-2		1,2-Dichloroethane		· · · · · · · · · · · · · · · · · · ·	U	10	
78-93-3		2-Butanone			Ü	10	
108-05-4		Vinyl Acetate			U	10	
71-55-6		1,1,1-Trichloroethane			U	10	
56-23-5		Carbon Tetrachloride			U	10	_
75-27-4		Bromodichloromethane			Ü	10	_
78-87-5		1,2-Dichioropropane			Ū	10	
10061-01-5	<u> </u>	cis-1,3-Dichloropropene			U	10	_
79-01-6		Trichloroethene			Ü	10	
71-43-2		Benzene			Ü	10	
124-48-1		Dibromochloromethane			Ü	10	_
110-75-8		2-Chloroethylvinylether			Ū	10	_
10061-02-6	5	trans-1,3-Dichloropropene			Ū	10	
79-00-5		1,1,2-Trichloroethane			Ū	10	_
75-25-2		Bromoform 4-Methyl-2-Pentanone			U	10	
108-10-1		2-Hexanone			Ū	10	
591-78-6		Tetrachioroethene			U	10	
127-18-4		1,1,2,2-Tetrachloroethane			Ū	10	
79-34-5		Toluene			U	10	
108-88-3		Chlorobenzene		2	J	10	
108-90-7		Ethylbenzene			U	10	
100-41-4		Styrene		<u></u>	U	10	
100-42-5		1,3-Dichlorobenzene			U	10	
541-73-1		1,4-Dichlorobenzene			U	10	_
106-46-7		1,4-Dichiorobenzene			U	10	_
95-50-1		Xylenes, total			U	10	
1330-20-7		Total-1,2-Dichoroethene			U	10	_
540-59-0	<u>l</u>	TOTAL LIZ-DIGHOLOGIHERE					

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FORM LVOA CTDOHS PH-0554

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#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
L-1	

Lab Name:	STL Ne	wburgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: <u>23719</u>	14
Matrix: (soil/v	water)	WATER	Lab Sample	EID: 237194-006	
Sample wt/vo	ol:	5.0 (g/ml) ML	Lab File ID:	W3623.D	_
Level: (low/r	ned)	LOW	Date Receiv	/ed: 6/11/2004	<b>-</b>
% Moisture:	not dec.		Date Analyz	ed: 6/23/2004	_
GC Column:	DB-624	ID: 0.53 (mm)	Dilution Fac	tor: <u>1.0</u>	_
Soil Extract V	/olume:	(uL)	Soil Aliquot	Volume:	_ (uL)
			CONCENTRATION UNI		
Number TICs	s found:	0	(ug/L or ug/Kg) UG/	<u>'L</u>	
CAS NO.		COMPOUND NAME	RT	EST. CONC.	Q

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M-NY049

EPA NY049

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.
99.1

Lab Name:	STL Ne	wburgh	Contract:			
Lab Code:	10142	Case No.:	_ SAS No.:	SDG N	lo.: <u>23719</u>	94
Matrix: (soil/wa	ater)	SOIL	Lab San	nple ID: 2371	194-007	
Sample wt/vol	:	5.0 (g/ml) G	Lab File	ID: X794	40.D	_
Level: (low/me	ed)	LOW	Date Re	ceived: 6/11	/2004	_
% Moisture: no	ot dec.	38	Date Ana	alyzed: <u>6/23</u>	/2004	_
GC Column: [	DB-624	ID: <u>0.25</u> (mm)	Dilution l	Factor: 1.0		_
		(uL)	Soil Aliq	uot Volume:		_ (uL)
<b>50 2</b> a		` ` '		g/L or ug/Kg)		
CAS NO.	1	COMPOUND		RESULT		RL
74-87-3		Chloromethane			U	16
74-83-9		Bromomethane			U	16
75-01-4		Vinyl Chloride			U	16
75-00-3	Ī	Ol 1			U	16
75-09-2		Methylene Chloride			U	16
67-64-1		Acetone		25		16
75-15-0		Carbon Disulfide		<u></u>	U	16
75-35-4		1,1-Dichloroethene	·		U	16
75-34-4		1,1-Dichloroethane			U	16
67-66-3		O1 1			U	16
107-06-2		1,2-Dichloroethane			U	16
78-93-3		2-Butanone	1		· U	16
108-05-4		Vinyl Acetate			U	16
71-55-6		1,1,1-Trichloroethane			U	16
56-23-5		Carbon Tetrachloride			U	16
75-27-4		Bromodichloromethane			U	\ 16
78-87-5		1,2-Dichloropropane			U	16
10061-01-5		cis-1,3-Dichloropropene			U	16
79-01-6		Trichloroethene	į.		U	16
71-43-2		Benzene			Ü	16
124-48-1		Dibromochloromethane			U	16
110-75-8		2-Chloroethylvinylether			U.	16
10061-02-6		trans-1,3-Dichloropropene			Ü	16
79-00-5		1,1,2-Trichloroethane			U	16
75-25-2		Bromoform			U	16
108-10-1		4-Methyl-2-Pentanone			U	16
591-78-6		2-Hexanone			U	16
127-18-4		Tetrachloroethene			U	16
79-34-5		1,1,2,2-Tetrachloroethane			U	16
108-88-3		Toluene			U	16
108-90-7		Chlorobenzene			U	16
100-41-4		Ethylbenzene			U	16
100-42-5		Styrene			U	16
541-73-1		1,3-Dichlorobenzene			U	16
106-46-7		1,4-Dichlorobenzene			<u>U</u>	16
95-50 <b>-</b> 1		1,2-Dichlorobenzene			U	16
1330-20-7		Xylenes, total			U	16
540-59-0		Total-1,2-Dichoroethene			U	16

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SEVERN STL NYSDOH 10142

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EPA NY049

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#### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAM	IPLE NO.
SS-1	

12

180

JN

JN

9.54

9.95

						SS-1	
Lab Name:	STL Ne	wburgh		Contra	ıct:		
Lab Code:	10142	с	ase No.:	SAS	No.:	_ SDG No.: 237	194
Matrix: (soil/v	vater)	SOIL			Lab Sample	ID: 237194-007	
Sample wt/vo	ol:	5.0	(g/ml) G		Lab File ID:	X7940.D	
Level: (low/n	ned)	LOW			Date Receiv	red: 6/11/2004	
% Moisture: r	•	38	<del>-</del>		Date Analyz	ed: 6/23/2004	
GC Column:	DB-624	ID: 0	.25 (mm)		Dilution Fac	tor: 1.0	
Soil Extract V	olume:		(uL)		Soil Aliquot	Volume:	(uL)
N TIO-	£d.	3		CONCENTR	RATION UNI Kg) <u>UG/</u>		
Number TICs	touna:	<u> </u>					
CAS NO.		СОМРО	UND NAME		RT	EST. CONC.	Q
1. 000067	'-63-0	Isopropyl	Alcohol		7.95	10	JN

EPA NY049

000110-54-3

Hexane

1-Propanol

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

i	
	SS-2

EPA SAMPLE NO.

Lab Names CTI	Nowburdh	Contract:	SS-2	
	Newburgh		O No . 2274	<u> </u>
Lab Code: 1014	42 Case No.:			<del>94</del>
Matrix: (soil/water)	SOIL	Lab Sample ID:		
Sample wt/vol:	5.0 (g/ml) G	Lab File ID:	X7933.D	_
Level: (low/med)	LOW	Date Received:	6/11/2004	-
% Moisture: not de		Date Analyzed:	6/22/2004	
	324 ID: <u>0.25</u> (mm)	Dilution Factor:	1.0	
		Soil Aliquot Volur		 (uL)
Soil Extract Volum	e: (uL)	·		_ (02)
		Units: (ug/L or ug	1/Kg) <u>UG/KG</u>	
CAS NO.	COMPOUND	RESUL	.T Q	RL
74-87-3	Chloromethane		U	13
74-83-9	Bromomethane		U	13
75-01-4	Vinyl Chloride		U	13
75-00-3			U	13
75-09-2	Methylene Chloride		U	13
67-64-1	Acetone		3 J	13
75-15-0	Carbon Disulfide		U	13
75-35-4	1,1-Dichloroethene		U	13
75-34-4	1,1-Dichloroethane		U	13
67-66-3	Chloroform		U	13
107-06-2	1,2-Dichloroethane		U	13
78-93-3	2-Butanone		U	13
108-05-4			U	13
71-55-6	1,1,1-Trichloroethane		U	13 13
56-23-5	Carbon Tetrachloride		<u>U</u>	13
75-27-4	Bromodichloromethane		U	13
78-87-5	1,2-Dichloropropane		U	13
10061-01-5	cis-1,3-Dichloropropene		U	13
79-01-6	Trichloroethene		U	13
71-43-2	Benzene		- U	13
124-48-1	Dibromochloromethane		U	13
110-75-8	2-Chloroethylvinylether		Ü	13
10061-02-6	trans-1,3-Dichloropropene		- U	13
79-00-5	1,1,2-Trichloroethane		U	13
75-25-2	Bromoform Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles and Charles		Ü	13
108-10-1	4-Methyl-2-Pentanone		Ü	13
591-78-6	2-Hexanone Tetrachloroethene		U	13
127-18-4			T U	13
79-34-5	1,1,2,2-Tetrachloroethane		Ŭ	13
108-88-3	Toluene Chlorobenzene		Ū	13
108-90-7			Ū	13
100-41-4	Ethylbenzene		Ū	13
100-42-5	Styrene 1,3-Dichlorobenzene		Ü	13
541-73-1	1,4-Dichlorobenzene		Ū	13
106-46-7	1,4-Dichlorobenzene		U	13
95-50-1	Total-1,2-Dichoroethene		U	13
540-59-0	TOTAL LIZ-DIGITOROGICO			

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SEVERN STL

540-59-0

1330-20-7

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13

M-NY049

Xylenes, total

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
99.2	

Lab Name:	STL Ne	whurah		Contra	act:	SS-2	
Lav Name.	SILINE					000 No. 227	104
Lab Code:	10142	Ca	se No.:	SAS	S No.:	_ SDG No.: <u>237</u>	194
Matrix: (soll/	water)	SOIL	_		Lab Sample	ID: <u>237194-008</u>	
Sample wt/vo	oi:	5.0	(g/ml) <u>G</u>	<del></del> -	Lab File ID:	X7933.D	
Level: (low/r	ned)	LOW			Date Receiv	red: 6/11/2004	
% Moisture:	•	25.5	_		Date Analyz	ed: 6/22/2004	
GC Column:	DB-624	ID: 0.	 25 (mm)		Dilution Fac	tor: <u>1.0</u>	
Soil Extract \	/olume:		 (uL)		Soil Aliquot	Volume:	(uL)
Number TICs	s found:	1		CONCENT (ug/L or ug/	RATION UNI /Kg) <u>UG</u> /		
	J						
CAS NO.	ĺ	COMPOL	IND NAME		RT	EST. CONC.	Q
1. 00011	0-54-3	Hexane			9.54	13	JN

3/90

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

	EPA SAMPLE NO.
Ī	
- 1	SS-3

Lab Name: STL N	ewburgh		S-3 	
	Case No.:		No.: 23719	94
		Lab Sample ID: 237		
Matrix: (soil/water)	SOIL			
Sample wt/vol:	5.0 (g/ml) G	Lab File ID: X79	38.D	_
Level: (low/med)	LOW	Date Received: 6/1	/2004	_
% Moisture: not dec.	*	Date Analyzed: 6/23	3/2004	<del>_</del>
	ID: <u>0.25</u> (mm)	Dilution Factor: 1.0		-
		<del>"</del>		
Soil Extract Volume:	(UL)	Soil Aliquot Volume:		
		Units: (ug/L or ug/Kg)	UG/KG	<del></del>
			•	D1
CAS NO.	COMPOUND	RESULT	Q	RL
	0.1		U	14
74-87-3	Chloromethane		U	14
74-83-9	Bromomethane		Ü	14
75-01-4	Vinyl Chloride		T U	14
75-00-3	Chloroethane Mathylana Chlorida	2	13	14
75-09-2	Methylene Chloride Acetone	27		14
67-64-1	Carbon Disulfide		U	14
75-15-0	d d Dishleysofbono		U	14
75-35-4	1,1-Dichloroethane		U	14
75-34-4 67-66-3	Chloroform		Ū	14
107-06-2	1,2-Dichloroethane		U	14
78-93-3	2-Butanone		· U	14
108-05-4	Aller J. Acedes		U	14
71-55-6	1,1,1-Trichloroethane	•	U	14
56-23-5	Carbon Tetrachloride		U	14
75-27-4	Bromodichloromethane		U U	14
78-87-5	1,2-Dichloropropane		U	14
10061-01-5	cis-1,3-Dichloropropene		U	14
79-01-6	Trichloroethene		U	14
71-43-2	Benzene		U	14
124-48-1	Dibromochloromethane		U	14
110-75-8	2-Chloroethylvinylether		U	14
10061-02-6	trans-1,3-Dichloropropene		U	14
79-00-5	1,1,2-Trichloroethane		U	14
75-25-2	Bromoform		U	14
108-10-1	4-Methyl-2-Pentanone		U	14
591-78-6	2-Hexanone		U	14
127-18-4	Tetrachloroethene		U	14 14
79-34-5	1,1,2,2-Tetrachloroethane		U	14
108-88-3	Toluene		U	14
108-90-7	Chlorobenzene		U	14
100-41-4	Ethylbenzene		U	14
100-42-5	Styrene		<del>                                     </del>	14

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541-73-1

106-46-7

95-50-1

1330-20-7

540-59-0

FORM I VOA CTDOHS PH-0554

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M-NY049

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1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

Total-1,2-Dichoroethene

Xylenes, total

U

U

### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	EPA SAMPLE NO.
Ĩ	
ł	99.3

Lah Mamas	OTI NA	wburgh		Contrac	nt.	88-3	Ī
Lab Name:	SILINE	wourgn		,			
Lab Code:	10142	Ca	se No.:	SAS	No.:	_ SDG No.: 2	237194
Matrix: (soil/v	vater)	SOIL	<u> </u>		Lab Sample	ID: <u>237194-0</u>	09
Sample wt/vo	ol:	5.0	(g/ml) G	· 	Lab File ID:	X7938.D	
Level: (low/n	ned)	LOW	_		Date Receiv	ed: 6/11/2004	,
% Moisture: r	not dec.	29.8			Date Analyze	ed: <u>6/23/2004</u>	<u> </u>
GC Column:	DB-624	ID: 0.	25 (mm)	!	Dilution Fact	or: <u>1.0</u>	
Soil Extract Volume: (uL)		;	Soil Aliquot \	/olume:	(uL)		
				CONCENTR			
Number TICs	found:	2	_	(-9			
CAS NO.		COMPOL	JND NAME		RT	EST. CONC.	Q
1. 000110	)-54-3	Hexane			9.53	11	JN
2. 000071		1-Propano	1		9.95	61	JN

### VOLATILE ORGANICS ANALYSIS DATA SHEET

EP.	A SA	MPL	E NC	١.

Lab Name: STL Ne	ewburah	Contract:	55-4	
	Case No.:	SAS No.:SD0	3 No.: 23719	4
Matrix: (soil/water)		Lab Sample ID: 2		
	5.0 (g/ml) <u>G</u>	Date Received: 6		_
Level: (low/med)	LOW	_		-
% Moisture: not dec.	61.4	Date Analyzed: 6	/21/2004	_
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor: 1	.0	_
Soil Extract Volume:		Soil Aliquot Volume	e:	_ (uL)
	***************************************	Units: (ug/L or ug/l	(g) UG/KG	
CAS NO.	COMPOUND	RESULT	Q Q	RL
74-87-3	Chloromethane		U	26
74-83-9	Bromomethane		U	26
75-01-4	Vinyl Chloride		U	26
75-00-3	Chloroethane		U	26
75-09-2	Methylene Chloride		U	26
67-64-1	Acetone	70		
75-15-0	Carbon Disulfide		U	26
75-35-4	1,1-Dichloroethene		U	26
75-34-4	1,1-Dichloroethane		U	<u>26</u>
67-66-3	Chloroform		U	26
107-06-2	1,2-Dichloroethane		U	26
78-93-3	2-Butanone	12		<u> 26</u>
108-05-4	Vinyl Acetate		U	26
71-55-6	1,1,1-Trichloroethane		U	26
56-23-5	Carbon Tetrachloride		U	<u>26</u>
75-27-4	Bromodichloromethane		U	26
78-87-5	1,2-Dichloropropane		U	<u>26</u> 26
10061-01-5	cis-1,3-Dichloropropene		U	26
79-01-6	Trichloroethene		U	26
71-43-2	Benzene		- <del>U</del>	26
124-48-1	Dibromochloromethane		U	26
110-75-8	2-Chloroethylvinylether		U	26
10061-02-6	trans-1,3-Dichloropropene		Ü	26
79-00-5	1,1,2-Trichloroethane		U	26
75-25-2	Bromoform		U U	26
108-10-1	4-Methyl-2-Pentanone		U U	26
591-78-6	2-Hexanone		Ü	26
127-18-4	Tetrachloroethene		U	26
79-34-5	1,1,2,2-Tetrachloroethane		Ü	26
108-88-3	Toluene		Ü	26
108-90-7	Chlorobenzene		Ü	26
100-41-4	Ethylbenzene		Ü	26
100-42-5	Styrene		Ü	26
541-73-1	1,3-Dichlorobenzene		Ü	26
106-46-7	1,4-Dichlorobenzene		Ü	26
95-50-1	1,2-Dichlorobenzene		Ü	26
1330-20-7	Xylenes, total		U	26
540-59-0	Total-1,2-Dichoroethene			

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SEVERN STL NYSDOH 10142

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#### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N	O.
199-4	

	OTL No			Contrac	4.	100-4	
Lab Name: STL Newburgh				<del></del>			
Lab Code:	ab Code: 10142 Case No.:		SAS	SAS No.: S		<u> 194</u>	
Matrix: (soll/water)		SOIL	_	ŀ	Lab Sample I	D: <u>237194-010</u>	
Sample wt/vol:		5.0	(g/ml) G		Lab File ID:	X7923A.D	
Level: (low/med)		LOW			Date Receive	d: 6/11/2004	
% Moisture: not dec.		61.4	•	ļ	Date Analyze	d: 6/21/2004	
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilution Factor: 1.0			
Soil Extract Volume:			(uL)	Soil Aliquot Volume: (			(uL)
Number TICs	s found:	2		CONCENTR (ug/L or ug/K			
CAS NO.		COMPOU	ND NAME		RT	EST. CONC.	Q
1. 000110	7-54-3	Hexane			9.54	24	JN
2 00017		1-Propago			9.96	360	JN

1-Propanol

000071-23-8

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M-NY049

NJDEP 73015

# **VOLATILE ORGANICS ANALYSIS DATA SHEET**

Lab Name:	STL Ne	ewburgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.: S	DG No.: 237194	<u> </u>
Matrix: (soil/v	water)	SOIL	Lab Sample ID:	237194-011	
Sample wt/vo	ol:	5.0 (g/ml) <u>G</u>	Lab File ID:	X7934.D	
Level: (low/n	ned)	LOW	Date Received:	6/11/2004	
% Moisture:	not dec.	19.6	Date Analyzed:	6/22/2004	
GC Column:	DB-624	ID: 0.25 (mm)	Dilution Factor:	1.0	
Soil Extract V	/olume:	(uL)	Soil Aliquot Volu	me:	(uL)
			Units: (ug/L or u	g/Kg) <u>UG/KG</u>	_
CAS NO.		COMPOUND	RESU	LT Q	

CAS NO.	COMPOUND	RESULT	Q	INC.
74-87-3	Chloromethane		U	12
74-83-9	Bromomethane		<u> </u>	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12
75-09-2	Methylene Chloride	71	2	12
67-64-1	Acetone	7	13	12
75-15-0	Carbon Disulfide	1	17	12
75-35-4	1,1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		U	12
67-66-3	Chloroform	3	J	12
107-06-2	1,2-Dichloroethane		U	12
78-93-3	2-Butanone		U	12
108-05-4	Vinyl Acetate		U	12
71-55-6	1.1,1-Trichloroethane		Ų	12
56-23-5	Carbon Tetrachloride		Ü	12
75-27-4	Bromodichloromethane		U	12
78-87-5	1,2-Dichloropropane		U	12
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		U	12
71-43-2	Benzene		U	12
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chioroethylvinylether		U	12
10061-02-6	trans-1,3-Dichloropropene		U	12
79-00-5	1,1,2-Trichloroethane		U	12
75-25-2	Bromoform		U	12
108-10-1	4-Methyl-2-Pentanone		<u>n.2</u>	12
591-78-6	2-Hexanone		U 7	12
127-18-4	Tetrachioroethene			12
79-34-5	1,1,2,2-Tetrachloroethane		7.0	12
108-88-3	Toluene		υĴ	12
108-90-7	Chlorobenzene		U 3	12
100-41-4	Ethylbenzene		UJ	12
100-42-5	Styrene		U 7	12
541-73-1	1,3-Dichlorobenzene		U <b>J</b>	12
106-46-7	1,4-Dichiorobenzene		U 3	12
95-50-1	1,2-Dichlorobenzene		U <b>3</b>	12
1330-20-7	Xylenes, total		U 2	12
540-59-0	Total-1,2-Dichoroethene		U 2	12

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FORM LVOA CTDOHS PH-0554

PA 68-378

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# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SS-5	

Lab Name:	STL Ne	wburgh		Contrac	ot:		
Lab Code:	10142	Cas	se No.:	SAS	No.:	_ SDG No.: <u>237</u>	194
Matrix: (soil/v	vater)	SOIL	_		Lab Sample	ID: <u>237194-011</u>	
Sample wt/vol:		5.0	(g/ml) G		Lab File ID:	X7934.D	
Level: (low/med)		LOW			Date Receive	ed: 6/11/2004	
% Moisture: r	not dec.	19.6		!	Date Analyze	ed: 6/22/2004	
GC Column: DB-624		ID: 0.2	25 (mm)	1	Dilution Facto	or: <u>1.0</u>	
Soil Extract Volume:			 _ (uL)	;	Soil Aliquot V	/olume:	(uL)
Number TICs	s found:	2	_	CONCENTR (ug/L or ug/k			
CAS NO.		COMPOU	ND NAME		RT	EST. CONC.	Q
1. 000110	7-54-3	Hexane			9.53	12	JN
2 000077		1-Propanol		-	9.97	13	JN

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1-Propanol

2. 000071-23-8

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA:	SAMF	LEI	NO.
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l ale Manna	OTI NA	whereh	Contract:	S	S-5RE		
		ewburgh			lo : 22740.	<u> </u>	
Lab Code:	10142	Case No.:	SAS No.:	יו טעס	NO 20/19	<del>*</del>	
Matrix: (soil/v	vater)	SOIL	Lab Sample ID	: <u>237</u>	194-011RE	<del></del>	
Sample wt/vo	ol:	5.0 (g/ml) G	Lab File ID:	X79	41.D	_	
Level: (low/n			Date Received	: <u>6/11</u>	/2004	_	
% Moisture: r			Date Analyzed:	6/23	3/2004	_	
		ID: <u>0.25</u> (mm)	Dilution Factor:	1.0			
			Soil Aliquot Vol				
Soli Extract v	olume.	(uL)	Units: (ug/L or u			. ,	
		•	Units: (ug/L or i	ug/Ny)	<u>ogne</u>		
CAS NO.		COMPOUND	RESU	JLT -	Q	RL	
74-87-3		Chloromethane			U	12	
74-83-9		Bromomethane			U	12	
75-01-4		Vinyl Chloride		<del></del>	U	12	
75-00-3		Chloroethane			U	12	
75-09-2		Methylene Chloride		19	<del> </del>	12	
67-64-1		Acetone		12	J	12 12	
75-15-0					U	12	
75-35-4		1,1-Dichloroethene			U	12	
75-34-4		1,1-Dichloroethane			U	12	
67-66-3		Chloroform				12	
107-06-2		1,2-Dichloroethane			U	12	
78-93-3		2-Butanone			U	12	
108-05-4		Vinyl Acetate			Tu T	12	
71-55-6		1,1,1-Trichloroethane			$\frac{0}{0}$	12	
56-23-5					U	12	
75-27-4		Bromodichloromethane			U	12	
78-87-5		1,2-Dichloropropane			U	12	
10061-01-5		cis-1,3-Dichloropropene			<del>  0</del>	12	
79-01-6		Trichloroethene			U	12	
71-43-2		Benzene			U	12	~~
124-48-1		Dibromochloromethane			Ū	12	
110-75-8		2-Chioroethylvinylether			U	12	
10061-02-6		trans-1,3-Dichloropropene			Ū	12	
79-00-5		1,1,2-Trichloroethane			U	12	
75-25-2		Bromoform 4-Methyl-2-Pentanone			ប្រា	12	
108-10-1		2-Hexanone			0.7	12	
591-78-6		Tetrachloroethene			U 3	12	
127-18-4		1,1,2,2-Tetrachloroethane			U 3	12	
79-34-5		Toluene			U J	12	
108-88-3		Chlorobenzene			U T	12	
108-90-7		Ethylbenzene			1. O. 2.	12	
100-41-4		Styrene		······································	U.7	12	
100-42-5		1,3-Dichlorobenzene			UJ	12	
541-73-1		1,4-Dichlorobenzene			0.7	12	
106-46-7		1,2-Dichlorobenzene			U 3	12	
95-50-1 1330-20-7		Xylenes, total			0.2	12	
540-59-0		Total-1,2-Dichoroethene			U 77	12	
1 UTU-UU"U							

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540-59-0

FORM I VOA CTDOHS PH-0554

PA 68-378

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# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EF	Ά	SA	١M	Pl	_E	N	Ю.

Lab Name:	STL Ne	wburgh		Contrac	ct:		·UNE	
Lab Code:	10142	Ca	se No.:	SAS	No.:	_ SDG No	o.: <u>237194</u>	
Matrix: (soil/v	vater)	SOIL	_	•	Lab Sample	ID: 23719	94-011RE	
Sample wt/vo	ol:	5.0	(g/ml) G		Lab File ID:	X794	1.D	
Level: (low/n	ned)	LOW	_		Date Receiv	red: <u>6/11/2</u>	2004	
% Moisture: r	not dec.	19.6	<u></u>	;	Date Analyz	ed: <u>6/23/2</u>	2004	
GC Column:	DB-624	ID: 0.	25 (mm)		Dilution Fac	tor: <u>1.0</u>		
Soil Extract V	olume:		(uL)	;	Soil Aliquot '	Volume: _		(uL)
November TICE	. for med	2		CONCENTR (ug/L or ug/K				
Number TICs	touna:	2			<del>1</del>			
l	ì				] [			

. CONC.	Q
13	JN
74	JN

3/90

M-NY049

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
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Lab Name: STLN	ewburgh		ED-1	
·			— No.: 23719	94
Lab Code: 10142				<del> </del>
Matrix: (soil/water)	SOIL	Lab Sample ID: 237	194-012	
Sample wt/vol:	5.0 (g/ml) G	_ Lab File ID: X79	320A.D	<del></del>
Level: (low/med)	<del>"</del>	Date Received: 6/1	1/2004	_
% Moisture; not dec.		Date Analyzed: 6/2	1/2004	
• • •	1 ID: 0.25 (mm)	Dilution Factor: 1.0		_
				~ (al.)
Soll Extract Volume:	(uL)	Soil Aliquot Volume:		_ (uL) <sub>.</sub>
		Units: (ug/L or ug/Kg	) <u>UG/KG</u>	
CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	21
74-83-9	Bromomethane		U	21
75-01-4	Vinyl Chloride		U	21
75-00-3	Chloroethane		U	21
75-09-2	Methylene Chloride		U	21
67-64-1	Acetone	64	1	21
75-15-0	Carbon Disulfide		U	21
75-35-4	1,1-Dichloroethene		U	21
75-34-4	1,1-Dichloroethane		U	21
67-66-3	Chloroform		U	21
107-06-2	1,2-Dichloroethane		U	21
78-93-3	2-Butanone	15	J	<u>21</u> 21
108-05-4	Vinyl Acetate		U	21
71-55-6	1,1,1-Trichloroethane		U	21
56-23-5	Carbon Tetrachioride		U	21
75-27-4	Bromodichloromethane		U	21
78-87-5	1,2-Dichloropropane		U	21
10061-01-5	cis-1,3-Dichloropropene		U.	21
79-01-6	Trichloroethene		U	21
71-43-2	Benzene Dibromochloromethane		Ü	21
124-48-1	2-Chloroethylvinylether		U	21
110-75-8 10061-02-6	trans-1,3-Dichloropropene		U	21
79-00-5	1,1,2-Trichloroethane		U	21
75-25-2	Bromoform		U	21
108-10-1	4-Methyl-2-Pentanone		U	21
591-78-6	2-Hexanone		U	21
127-18-4	Tetrachloroethene		U	21
79-34-5	1.1,2,2-Tetrachloroethane		U	21
108-88-3	Toluene		U	21
108-90-7	Chlorobenzene		U	21

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100-41-4

100-42-5

541-73-1

106-46-7

1330-20-7

540-59-0

95-50-1

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21

21

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21

21

21

M-NY049

Ethylbenzene

Xylenes, total

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

Total-1,2-Dichoroethene

Styrene

U

U

U

U

U

U

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SA	MPLE NO.
SED-1	

Lab Name:	STL Nev	wburgh	7	Contract:		
Lab Code:	10142	(	Case No.:	SAS No.:	SDG No.: 237194	
Matrix: (soil/v	vater)	SOIL		Lab Sample II	D: 237194-012	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7920A.D	
Level: (low/m		LOW	<del></del>	Date Receive	d: 6/11/2004	
% Moisture: r	·	52.5	·	Date Analyzed	d: <u>6/21/2004</u>	
GC Column:	DB-624	ID:	0.25 (mm)	Dilution Facto	r: <u>1.0</u>	
Soil Extract V	/olume:		(uL)	Soil Aliquot Vo	olume:	(uL)
				CONCENTRATION UNITS		
Number TICs	found:	3		(ug/L or ug/Kg) UG/K		····

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
4	Unknown	7.95	14	J
2. 000110-54-3	Hexane	9.53	18	JN
3. 000071-23-8	1-Propanol	9.96	430	JN

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NJDEP 73015

# **VOLATILE ORGANICS ANALYSIS DATA SHEET**

SED-2	

Lob Name: STI N	Newburgh	Contract:	SED-2	
			DC No. 2271	04
Lab Code: 10142	Case No.:	SAS No.: S		<del>54</del>
Matrix: (soil/water)	SOIL	Lab Sample ID:	237194-013	<del></del>
Sample wt/vol:	5.0 (g/ml) G	Lab File ID:	X7921A.D	_
Level: (low/med)	LOW	Date Received:	6/11/2004	
% Moisture: not dec	-	Date Analyzed:	6/21/2004	
	4 ID: 0.25 (mm)	Dilution Factor:	1.0	<del></del>
<del>-</del> .		Soil Aliquot Volu		— (ul.)
Soil Extract Volume	: (uL)	•		
		Units: (ug/L or u	g/Kg) <u>UG/KG</u>	<del></del>
CAS NO.	COMPOUND	RESU	LT Q	RL
74-87-3	Chloromethane		U	24
74-83-9	Bromomethane		U	24
75-01-4	Vinyl Chloride		U	24
75-00-3	Chloroethane		U	24
75-09-2	Methylene Chloride		U	24
67-64-1	Acetone		80	24
75-15-0	Carbon Disulfide		<u> </u>	24
75-35-4	1,1-Dichloroethene		U	24
75-34-4	1,1-Dichloroethane		U	24
67-66-3	Chloroform		U	24
107-06-2	1,2-Dichloroethane		U	24
78-93-3	2-Butanone		26	24
108-05-4	Vinyl Acetate		<u>U</u>	24
71-55-6	1,1,1-Trichloroethane		U	24
56-23-5	Carbon Tetrachloride		U	24
75-27-4	Bromodichloromethane		U	24
78-87-5	1,2-Dichloropropane			24
10061-01-5	cis-1,3-Dichloropropene			24 24
79-01 <b>-</b> 6	Trichloroethene		U	
71-43-2	Benzene		U	24 24
124-48-1	Dibromochloromethane			
110-75-8	2-Chloroethylvinylether		U.	24 24
10061-02-6	trans-1,3-Dichloropropene		U	24
79-00-5	1,1,2-Trichloroethane		U	24
75-25-2	Bromoform		U	24
108-10-1	4-Methyl-2-Pentanone		- U	24
<u>591-78-6</u>	2-Hexanone			24
127-18-4	Tetrachloroethene "		U	24
79-34-5	1,1,2,2-Tetrachloroethane			24
108-88-3	Toluene		30 U	24
108-90-7	Chlorobenzene		U	24
100-41-4	Ethylbenzene		U	24
100-42-5	Styrene		U	24
541-73-1	1,3-Dichlorobenzene		U	24
106-46-7	1,4-Dichlorobenzene		U	24
95-50-1	1,2-Dichlorobenzene		— <del>  U</del>	24
1330-20-7	Xylenes, total		U	24
540-59-0	Total-1,2-Dichoroethene			47

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FORM I VOA CTDOHS PH-0554

PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	1PLE	NO.

		TENT	ATIVELY IDEN	TIFIED COMPO	OUNDS	SED-2	
Lab Name:	STL Nev	wburgh		Contract:		OLD-2	
Lab Code:	10142		Case No.:	SAS N	o.: S	DG No.: <u>237194</u>	
Matrix: (soil/w	ater)	SOIL		La	ab Sample ID:	237194-013	
Sample wt/vol	<b>l</b> :	5.0	(g/ml) <u>G</u>	La	ab File ID:	X7921A.D	
Level: (low/m	ed)	LOW		Da	ate Received:	6/11/2004	
% Moisture: n	ot dec.	57.5		Da	ate Analyzed:	6/21/2004	
GC Column: [	DB-624	ID:	0.25 (mm)	Di	lution Factor:	1.0	
Soil Extract Vo	olume:		(uL)	Sc	oil Aliquot Volu	me:	(uL
Number TICs	found:	g		CONCENTRA (ug/L or ug/Kg			

CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1	C5H120 isomer	7.93	23	J
2. 000110-54-3	Hexane	9.53	25	JN
3. 000071-23-8	1-Propanol	9.96	600	JN
4. 001120-21-4	Undecane	21.44	31	JN
5.	Unknown CnH2n+2	23.19	40	J
6.	C13H28 isomer	23.46	16	J
7.	Unknown CnH2n+2	24.42	12	J
8.	Unknown CnH2n+2	24.60	27	J
9	Unknown CnH2n+2	25.07	27	J

# **VOLATILE ORGANICS ANALYSIS DATA SHEET**

FΡ	Δ.	SΔ	MP	F	NO
_ E.	^ \	ノヘ	Y : :	_=	:

Lab Name:	STL Ne	wburgh		Contract:	SED-3	
Lab Code:	10142	Cas	e No.:	SAS No.:	SDG No.: 237194	<u> </u>
Matrix: (soil/v	vater)	SOIL		Lab Sample ID:	237194-014	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7922A.D	
Level: (low/n	ned)	LOW		Date Received:	6/11/2004	
% Moisture: r	not dec.	53.6		Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: 0.2	5_ (mm)	Dilution Factor:	1.0	
Soil Extract V	olume:		(uL)	Soll Aliquot Volu	Jme:	(uL)
				Units: (ug/L or u	ıg/Kg) <u>UG/KG</u>	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	22
74-83-9	Bromomethane		U	22
75-01-4	Vinyl Chloride		U	22
75-00-3	Chloroethane		U	22
75-09-2	Methylene Chloride		U	22
67-64-1	Acetone	39		22
75-15-0	Carbon Disulfide		U	22
75-35-4	1,1-Dichloroethene		U	22
75-34-4	1,1-Dichloroethane		U	22
67-66-3	Chloroform		U	22
107-06-2	1,2-Dichloroethane		U	22
78-93-3	2-Butanone	10	J	22
108-05-4	Vinyl Acetate		U	22
71-55-6	1,1,1-Trichioroethane		U	22
56-23-5	Carbon Tetrachloride	•	U	22
75-27-4	Bromodichloromethane		U .	22
78-87-5	1,2-Dichloropropane		U	22
10061-01-5	cis-1,3-Dichloropropene		U	22
79-01-6	Trichloroethene		U.	22
71-43-2	Benzene .		U	22
124-48-1	Dibromochioromethane		U	22
110-75-8	2-Chloroethylvinylether		U	22
10061-02-6	trans-1,3-Dichloropropene		U	22
79-00-5	1,1,2-Trichloroethane		U	22
75-25-2	Bromoform		U	22
108-10-1	4-Methyl-2-Pentanone	,	U	22
591-78-6	2-Hexanone		U	22
127-18-4	Tetrachloroethene		U	22
79-34-5	1,1,2,2-Tetrachloroethane		U	22
108-88-3	Toluene		U	22
108-90-7	Chlorobenzene		U	22
100-41-4	Ethylbenzene		U	22
100-42-5	Styrene		U	22
541-73-1	1,3-Dichlorobenzene		U	22
106-46-7	1,4-Dichlorobenzene		U	22
95-50-1	1,2-Dichlorobenzene		U	22
1330-20-7	Xylenes, total		U	22
540-59-0	Total-1,2-Dichoroethene		U	22

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	10	AIV	i P	_=	IN	J.

Lab Name:	STL Ne	wburah		Contract		Į	SED-3		
Lab Code:	10142		ase No.:	 SAS N	lo.:	SDG	No.:	23719	)4
Matrix: (soil/v	water)	SOIL			ab Sample	ID: <u>23</u>	37194-	014	<del></del>
Sample wt/vo	ol:	5.0	(g/ml) G	L	ab File ID:	X	7922A.	.D	<del></del>
Level: (low/r		LOW		D	ate Receiv	ed: <u>6/</u>	11/200	14	_
% Moisture:		53.6	<del>~~</del>	D	ate Analyze	ed: <u>6/</u>	21/200	14	_
GC Column:		ID: 0	.25 (mm)	D	ilution Fact	or: <u>1.</u>	0		_
Soil Extract \			(uL)	S	oil Aliquot \	/olume	»:		_ (uL)
Number TICs	s found:	2		CONCENTRA (ug/L or ug/Kg			· —		
CAS NO.		COMPO	UND NAME		RT	EST.	CONC	<b>)</b> .	D
1. 000110	0-54-3	Hexane			9.54		22		JN_
2 00007		1-Propen	ol		9.95		210	) _	JN

M-NY049

000071-23-8

1-Propanol

### VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SA	JVIP	ᆫᆮ	NO	•
					-
l	-				

Lab Namo: STI N	ewburgh		SED-4	
<del></del>			OG No. 2371	104
Lab Code: 10142	Case No.:	_ SAS No.: SI		194
Matrix: (soll/water)	SOIL	Lab Sample ID:	237194-015	<del>v </del>
· .	5.0 (g/ml) G	Lab File ID:	X7924A.D	
*	<del></del>	- Date Received:	6/11/2004	
Level: (low/med)	LOW			—
% Moisture: not dec.	47.2	Date Analyzed:		
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volur	ne:	(uL)
		Units: (ug/L or ug		
		Officer (dg/2 or dg	, <u></u>	
CAS NO.	COMPOUND	RESUL	.T Q	RL
74-87-3	Chloromethane		U	19
74-83-9	Bromomethane		U	19
75-01-4	Vinyl Chloride		U	19
75-00-3	Chloroetharie		U	19
75-09-2	Methylene Chloride		U	19
67-64-1	Acetone	5	9	19
75-15-0	Carbon Disulfide		U	19
75-35-4	1,1-Dichloroethene		U	19
75-34-4	1,1-Dichloroethane		<u> </u>	19
67-66-3	Chloroform		U	19
107-06-2	1,2-Dichloroethane		U	19
78-93-3	2-Butanone		9 J	19
108-05-4	Vinyl Acetate		<u>U</u>	19
71-55-6	1,1,1-Trichloroethane		U	19
56-23-5	Carbon Tetrachloride		U	19
75-27-4	Bromodichloromethane		<u> </u>	19
78-87-5	1,2-Dichloropropane		U	19
10061-01-5	cis-1,3-Dichloropropene		<u>U</u>	19 19
79-01-6	Trichloroethene		U.	19
71-43-2	Benzene			· <del> </del>
124-48-1	Dibromochloromethane		U	19 19
110-75-8	2-Chloroethylvinylether		U	19
10061-02-6	trans-1,3-Dichloropropene		U	19
79-00-5	1,1,2-Trichloroethane		U	19
75-25-2	Bromoform		U	19
108-10-1	4-Methyl-2-Pentanone		U	19
591-78-6	2-Hexanone		U	19
127-18-4	Tetrachloroethene		<u>U</u>	19
79-34-5	1,1,2,2-Tetrachloroethane		U	19
108-88-3	Toluene	2:		19
108-90-7	Chlorobenzene		<u> </u>	19
100-41-4	Ethylbenzene		U	19
100-42-5	Styrene		U	19
541-73-1	1,3-Dichlorobenzene		6 J	19
106-46-7	1,4-Dichlorobenzene		D J	19
95-50-1	1,2-Dichlorobenzene		U	19
1330-20-7	Xylenes, total		U	19
540-59-0	Total-1,2-Dichoroethene		<u>U</u>	13

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAME	LE	NO

		TENT	ATIVELY IDEN	HED COMPOU	פטאני		SED-4	
Lab Name:	STL Ne	wburgh		Contract:			0LD-4	
Lab Code:	10142		Case No.:	SAS No.	.:	SD	G No.: 237194	
Matrix: (soil/	vater)	SOIL		Lab	Sample	ID: ź	237194-015	
Sample wt/ve	•	5.0	 (g/ml) <u>G</u>	Lab	File ID:	2	X7924A.D	
Level: (low/r		LOW		Dat	te Receive	ed: 🧐	6/11/2004	
% Moisture:		47.2		Date	te Analyze	ed: <u></u>	6/21/2004	
GC Column:		iD:	0.25 (mm)	Dilu	ution Fact	or: _	1.0	
Soil Extract \			(uL)	Soil	I Aliquot ∖	/olum	ne:	(uL
				CONCENTRAT				
Number TIC	s found:	4						
	1			F	Į.			

CAS NO.	COMPOUND NAME	. RT	EST. CONC.	Q
1. 000110-54-3	Hexane	9.54	17	JN
2, 000071-23-8	1-Propanol	9.95	230	JN
2, 000071-20-0	C9H20 isomer	20.93	<sup>*</sup> 9	J
4.	Unknown CnH2n	24.61	13	J

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# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E	NO.
-----	-------	---	-----

Lab Name:	STL Ne	wburgh	(	Contract:	SED-5	
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237194	
Matrix: (soll/\	water)	SOIL		Lab Sample ID	237194-016	
Sample wt/vo		5.0 (g/ml	) <u>G</u>	Lab File ID:	X7925A.D	
Level: (low/n	ned)	LOW _		Date Received:	6/11/2004	
% Moisture:		52.9		Date Analyzed:	6/21/2004	
GC Column:	DB-624	ID: 0.25 (	mm)	Dilution Factor:	1.0	
Soil Extract \		(uL)		Soil Aliquot Vol	ume:	(uL)
				Units: (ug/L or u	ig/Kg) UG/KG	

	·	Office. (agree of agricing)				
CAS NO.	COMPOUND	RESULT	Q	RL		
74-87-3	Chloromethane		U	21		
74-83-9	Bromomethane		U	21		
75-01-4	Vinyl Chloride		U	21		
75-00-3	Chloroethane		U	21		
75-09-2	Methylene Chloride		U	21		
67-64-1	Acetone	31		21		
75-15-0	Carbon Disulfide		U	21		
75-35-4	1,1-Dichloroethene		U	21		
75-34-4	1.1-Dichloroethane		U	21		
67-66-3	Chloroform		U	21		
107-06-2	1,2-Dichloroethane		U	21		
78-93-3	2-Butanone	6	· J	21		
108-05-4	Vinyl Acetate		U	21		
71-55-6	1,1,1-Trichloroethane		U	21		
56-23-5	Carbon Tetrachloride		U	21		
75-27-4	Bromodichloromethane		U	<u></u> . 21 .		
78-87-5	1,2-Dichloropropane		U	21		
10061-01-5	cis-1,3-Dichioropropene		U	21		
79-01-6	Trichloroethene		U	21		
71-43-2	Benzene		U	21		
124-48-1	Dibromochloromethane		U	21		
110-75-8	2-Chloroethylvinylether		U.	21		
10061-02-6	trans-1,3-Dichloropropene		U	21		
79-00-5	1,1,2-Trichloroethane		U	21		
75-25-2	Bromoform		U	21		
108-10-1	4-Methyl-2-Pentanone		<u> </u>	21		
591-78-6	2-Hexanone		U	21		
127-18-4	Tetrachloroethene		U	21		
79-34-5	1,1,2,2-Tetrachloroethane		U	21		
108-88-3	Toluene		U	21		
108-90-7	Chlorobenzene		U	21		
100-41-4	Ethylbenzene		U	21		
100-42-5	Styrene		U	21		
541-73-1	1,3-Dichlorobenzene		U	21		
106-46-7	1,4-Dichlorobenzene		U	21		
95-50-1	1,2-Dichlorobenzene		U	21		
1330-20-7	Xylenes, total		U	21		
540-59-0	Total-1,2-Dichoroethene		U	21		
540-59-0	I Otal-1,2-Dichoroethene					

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NJDEP 73015

EPA NY049

M-NY049

3/90

# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

	OHIVIE	 140
SED	-5	

120

23.42

						QLD-0	
Lab Name:	STL No	ewburgh		Contrac	ot:		
Lab Code:	10142	Case	e No.:	SAS	No.:	SDG No.: 237	194
Matrix: (soil/v	water)	SOIL			Lab Sample	D: 237194-016	
Sample wt/vo	ol:	5.0	(g/ml) G		Lab File ID:	X7925A.D	<u>_</u>
Level: (low/n	ned)	LOW		!	Date Receiv	/ed: 6/11/2004	
% Moisture:	not dec.	52.9		!	Date Analyz	red: 6/21/2004	
GC Column:	DB-624	ID: 0.25	 5 (mm)	j	Dilution Fac	tor: 1.0	
Soil Extract \			(uL)	;	Soil Aliquot	Volume:	(uL)
				CONCENTR	ATION UN	TS:	
				(ug/L or ug/K			
Number TICs	s found:	5		(ug/L or ug/r	(g) <u>00</u>		
					<u>-</u>		
CAS NO.	:	COMPOUN	ID NAME	•	RT	EST. CONC.	Q
1, 000110	0-54-3	Hexane			9.54	19	JN
2. 00007		1-Propanol			9.95	310	JN
3. 001066		Silanol, trim	ethvl-		10.60	30	JN
4.		Unknown			20.44	84	_J

Unknown

3/90

M-NY049

NJDEP 73015

# **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.
SED-6

Lab Name: STL	Newburgh	Contract:		
<u>-</u>	12 Case No.:		No.: 23719	94
Matrix: (soil/water)		Lab Sample ID: 23	7194-017	
	5.0 (g/ml) G	Lab File ID: X7	939.D	
		Date Received: 6/1		<del></del>
Level: (low/med)		<del></del>		<del></del>
% Moisture: not de	c. <u>49.7</u>	Date Analyzed: 6/2		
GC Column: DB-6	24 ID: <u>0.25</u> (mm)	Dilution Factor: 1.0	<u> </u>	_
	e: (uL)	Soil Aliquot Volume	:	_ (uL)
		Units: (ug/L or ug/Kg	) <u>UG/KG</u>	
CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	20
74-83-9	Bromomethane		U	20
75-01-4	Vinyl Chloride		U	20
75-00-3	Chloroethane		U	20
75-09-2	Methylene Chloride		U	20
67-64-1	Acetone	150		20
75-15-0	Carbon Disulfide		U	20
75-35-4	1,1-Dichloroethene		U	20
75-34-4	1,1-Dichloroethane		U	20
67-66-3	Chloroform		U	20
107-06-2	1,2-Dichloroethane		U	20
78-93-3	2-Butanone	34		20
108-05-4	Vinyl Acetate		U	20
71-55-6	1,1,1-Trichloroethane		U	20
56-23-5	Carbon Tetrachloride		U	20
75-27-4	Bromodichloromethane		U	20
78-87-5	1,2-Dichloropropane		U	20
10061-01-5	cis-1,3-Dichloropropene		U	20
79-01-6	Trichloroethene		U	20
71-43-2	Benzene		U	20
124-48-1	Dibromochloromethane		U	20
110-75-8	2-Chloroethylvinylether		U	20
10061-02-6	trans-1,3-Dichloropropene		U	20
79-00-5	1,1,2-Trichloroethane		U I	20
75-25-2	Bromoform		U	20
108-10-1	4-Methyl-2-Pentanone		U	20
591-78-6	2-Hexanone		U	20
127-18-4	Tetrachloroethene	· · · · · · · · · · · · · · · · · · ·	<u> </u>	20
79-34-5	1,1,2,2-Tetrachloroethane		U	20 20
108-88-3	Toluene	7_	J	20
108-90-7	Chlorobenzene		<del>  U</del>	20
100-41-4	Ethylbenzene		U	20
100-42-5	Styrene		U	20
541-73-1	1,3-Dichlorobenzene		U	20
106-46-7	1,4-Dichlorobenzene		U	20
95-50-1	1,2-Dichlorobenzene	·		20
1330-20-7	Xylenes, total		U	20
	and the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of th	<b>■</b>	1 11	/11

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

_	EPA SAMPLE	NO.
	SED-6	

Lab Name:	STL Nev	wburgh		Contract:			
•	10142		ase No.:	SAS No.:	s	DG No.: 237194	<u> </u>
Matrix: (soil/w	ater)	SOIL		Lab S	Sample ID:	237194-017	
Sample wt/vol	<b>!:</b>	5.0	(g/ml) <u>G</u>	Lab F	ile ID:	X7939.D	
Level: (low/m	ed)	LOW	_	. Date	Received:	6/11/2004	
% Moisture; n	ot dec.	49.7		Date :	Analyzed:	6/23/2004	
GC Column: !	DB-624	ID: 0	).25 (mm)	Dilutio	on Factor:	1.0	
Soil Extract Vo	olume:		(uL)	Soil A	Jiquot Volu	me:	(uL
				CONCENTRATIO	N UNITS:		

Number TICs found:

	T	T*****	· · ·	1
CAS NO.	COMPOUND NAME	RT	EST. CONC.	Q
1, 000075-18-3	Dimethyl sulfide	7.70	56	JN
2.	C5H120 isomer	7.94	31	J
3. 000110-54-3	Hexane	9.53	15	JN
4. 000071-23-8	1-Propanol	9,94	240	JN
5, 001120-21-4	Undecane	21.44	40	JN
6.	Unknown CnH2n+2	23.20	75	J
7.	C13H28 isomer	23.47	33	J
8,	Unknown	24.42	24	J
9.	Unknown CnH2n+2	24.60	60	J
10.	Unknown CnH2n+2	25.08	86	J
11.	Unknown CnH2n+2	25.42	22	J
12. 003891-98-3	Dodecane, 2,6,10-trimethyl-	26.47	37	JN
13. 000629-59-4	Tetradecane	26.85	50	JN
14. 080655-44-3	Decahydro-4,4,8,9,10-pentameth	27.58	17	JN

PA 68-378

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SAMI	LE NO.

I sh Name:	STI M	ewburgh		TRIP	
				G No : 2371	94
Lab Code:					
Matrix: (soil/	water)	WATER	Lab Sample ID: 2	237194-018	
Sample wt/ve	ol:	5.0 (g/ml) ML	Lab File ID:	N3624.D	_
Level: (low/r	ned)	LOW	Date Received: 6	3/11/2004	<del></del>
% Moisture:			Date Analyzed: 6	3/23/2004	
		ID: <u>0.53</u> (mm)	Dilution Factor: 1	  .0	
			Soil Aliquot Volum		
Soil Extract \	/olume:	(uL)	Units: (ug/L or ug/		
			Office. (ag/L of ag/	Ng) OG/L	
CAS NO.		COMPOUND	RESULT	г Q 	RL
74-87-3		Chloromethane		U	10
74-83-9	<u>-                                    </u>	Bromomethane		U	10
75-01-4		Vinyl Chloride		U	10
75-00-3		Chloroethane		. U	10
75-09-2		Methylene Chloride		U	10
67-64-1		Acetone		U	10
75-15-0		Carbon Disulfide		U	10
75-35-4		1,1-Dichloroethene		U	10
75-34-4	-	1,1-Dichloroethane		U	10
67-66-3		Chloroform		U	<u>10</u>
107-06-2		1,2-Dichloroethane		U	10
78-93-3		2-Butanone		· U	10
108-05-4		Vinyl Acetate		U	10
71-55-6		1,1,1-Trichloroethane		U	10
56-23-5		Carbon Tetrachloride		U	10
75-27-4		Bromodichloromethane		U	10
78-87-5		1,2-Dichloropropane		U	10
10061-01-5	5	cis-1,3-Dichloropropene		U	10
79-01-6		Trichloroethene		U	10
71-43-2		Benzene		U U	10
124-48-1		Dibromochloromethane		U	10
110-75-8		2-Chloroethylvinylether		<u> </u>	10
10061-02-6	3	trans-1,3-Dichloropropene		U	10
79-00-5		1,1,2-Trichloroethane	<u> </u>	<u> </u>	10
75-25-2		Bromoform		U	10
108-1 <u>0-1</u>		4-Methyl-2-Pentanone		<u>U</u>	10
591-78-6		2-Hexanone		U	10
<u> 127-18-4</u>		Tetrachloroethene		U	10
79-34-5		1,1,2,2-Tetrachloroethane		U	10
108-88-3		<u>Toluene</u>		U	<u>10</u> 10
108-90-7		Chlorobenzene		U	10
100-41-4		Ethylbenzene		U	10
100-42-5		Styrene			10
541-73-1		1,3-Dichlorobenzene		U	10
106-46-7		1,4-Dichlorobenzene		U	10
05 50 4	Í	1.2-Dichlorobenzene		, 0	10

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SEVERN STL

540-59-0

1330-20-7

FORM LVOA CTDOHS PH-0554

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Total-1,2-Dichoroethene

Xylenes, total

3/90

10

10

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAIVIPLE	NO.
TRIP	

Lab Name:	STL Ne	wburgh	Contrac	ct:	IRIP	
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: 2371	94
Matrix: (soil/v	vater)	WATER		Lab Sample	ID: <u>237194-018</u>	
Sample wt/vo	ol:	5.0 (g/ml) ML		Lab File ID:	W3624.D	<b>—</b> .
Level: (low/n	ned)	LOW		Date Receiv	red: 6/11/2004	_
% Moisture:	not dec.		]	Date Analyz	ed: 6/23/2004	
GC Column:	DB-624	ID: 0.53 (mm)	1	Dilution Fac	tor: 1.0	
Soil Extract V	/olume:	(uL)	;	Soil Aliquot	Volume:	_ (uL)
			CONCENTR			
Number TICs	found:	0	(ug/L or ug/K	(g) <u>UG</u> /	<u> </u>	
CAS NO.		COMPOUND NAME	-	RT	EST. CONC.	Q

SEVERN STL

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA S	AMPLE NO.
1-2	-

i ah Nomes	STL Newburg	ah	Contract:		L-2	2	İ	
			-		_ <u> </u>	00746	74	
Lab Code:	10142	Case No.:	_ SAS No.	.: s	DG N	0.: 23/18	<u> </u>	
Matrix: (soil/v	vater) <u>WA</u>	TER	Lab	Sample ID:	2371	94-019		
Sample wt/vo	ol: <u>5.0</u>	(g/ml) <u>ML</u>	_ Lab	File ID:	W36	25.D	_	
Levei: (low/n	ned) LOV	<b>N</b>	Dat	e Received:	6/11/	2004	_	
% Moisture: r	not dec.		Dat	e Analyzed:	6/23/	2004		
	DB-624		Dilu	tion Factor:	1.0			
	/olume:	<del></del>	Soil	Aliquot Volu	me:		_ (uL)	ł
OUI EXHAULT		(aa)		s: (ug/L or u	•			
			Offic	.s. (ug/L or u	9/1/9/	<u> </u>		
CAS NO.	COMI	POUND		RESU	LT	Q		RL
74-87-3	Chlo	promethane				U		10
74-83-9	Bror	momethane		<del>, ,</del>		<u> </u>		10
75-01-4	Viny	/ Chloride				U		10
75-00-3	Chic	oroethane				U		10
75-09-2	Meti	hylene Chloride				U		10
67-64-1	Acet	tone				U		10
75-15-0	Carl	bon Disulfide				U		10
75-35-4	1,1-1	Dichloroethene				U		10
75-34-4	1,1-	Dichloroethane				U		10
67-66-3	Chlo	oroform				U		10
107-06-2	1,2-1	Dichloroethane				U		10
78-93-3	2-Bu	utanone				U		10
108-05-4	Viny	Acetate				U		10
71-55-6	1,1,1	1-Trichloroethane				U		10
56-23-5	Cart	oon Tetrachloride				U		10
75-27-4	Bron	modichloromethane				U		<u> 10 </u>
78-87-5	1,2-[	Dichloropropane				U		10
10061-01-5	cis-1	1,3-Dichloropropene				U		10
79-01-6		nloroethene				U.		10
71-43-2	Benz	zene			2	J		10
124-48-1	Dibro	omochloromethane				U		10
110-75-8		nloroethylvinylether				U		10
10061-02-6	trans	s-1,3-Dichloropropene				U		10
79-00-5	1,1,2	2-Trichloroethane				U		10
75-25-2		noform				U		10
108-10-1	4-Me	ethyl-2-Pentanone				U		10
591-78-6	2-He	exanone				<u> </u>		10
127-18-4	Tetra	achloroethene				U		10
79-34-5	1,1,2	2,2-Tetrachloroethane				U		10
108-88-3	Toluc				2	J		10
108-90-7	Chio	robenzene				U		10
100-41-4	Ethy	ibenzene				U		10
100-42-5	Styre					U		10
541-73-1		Dichlorobenzene				<u>U</u>		10
106-46-7		Dichlorobenzene				U		10
95-50-1		Dichlorobenzene				U		10
1330-20-7		nes, total				U		10
E40 E0 0		1.1.2-Dichoroethene				U		10

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TRENT STL NYSDOH 10142

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EPA NY049

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M-NY049

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE N	٠ <u>.</u>
L-2	

Lab Name:	STL Ne	wburgh		Contrac	ot:		_ [2		
Lab Code:	10142	Cas	e No.:	SAS	No.:	_ s	DG No.: 2	37194	<u> </u>
Matrix: (soil/	water)	WATER			Lab Sample	D:	237194-0	19	
Sample wt/vo	ol:	5.0	(g/ml) ML		Lab File ID:		W3625.D		
Level: (low/r		LOW			Date Receiv	/ed:	6/11/2004		
% Moisture:			_		Date Analyz	ed:	6/23/2004		
GC Column:		ID: 0.5	3 (mm)		Dilution Fac	tor:	1.0		
Soil Extract \	/olume:		(uL)		Soil Aliquot	Volu	me:		(uL)
				CONCENTE	RATION UNI	ITS:			
Number TiCs	s found:	0	<del>-</del>	(ug/L or ug/l	(g) <u>UG</u>	/L			
CAS NO.		COMPOU	ND NAME		RT	ES	T. CONC.		Q

3/90

M-NY049

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO
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SS-6
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Lab Name: STL	Newburgh	Contract:		
Lab Code: 1014	42 Case No.:	SAS No.: SDG N	No.: <u>2371</u>	94
Matrix: (soil/water)	SOIL	Lab Sample ID: 237	194-020	· 
Sample wt/vol:	5.0 (g/ml) <u>G</u>	Lab File ID: X79	26A.D	<del></del>
Level: (low/med)		Date Received: 6/11	/2004	
% Moisture: not de		Date Analyzed: 6/21	/2004	
	<del></del>	Dilution Factor: 1.0		<del></del>
	124 ID: <u>0.25</u> (mm)	<del></del>		
Soil Extract Volum	e: (uL)	Soil Aliquot Volume:		_ (uL)
		Units: (ug/L or ug/Kg)	UG/KG	
CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	14
74-83-9	Bromomethane		U	14
75-01-4	Vinyl Chloride		U	14
75-00-3	Chloroethane		U	14
75-09-2	Methylene Chloride	2	J	14
67-64-1	Acetone	13	J	14
75-15-0	Carbon Disulfide		U	14
75-35-4	1,1-Dichloroethene		U	14
75-34-4	1,1-Dichloroethane		U	14
67-66-3	Chloroform		U	14
107-06-2	1,2-Dichloroethane		U	14
78-93-3	2-Butanone		U	14
108-05-4	Vinyl Acetate		U	14
71-55-6	1,1,1-Trichloroethane		U	14
56 <b>-</b> 23-5	Carbon Tetrachioride		U	14
75-27-4	Bromodichloromethane		U	
78-87-5	1,2-Dichloropropane		U	14
10061-01-5	cis-1,3-Dichloropropene		U	14
79-01-6	Trichloroethene		U	14
71-43-2	Benzene		U	14
124-48-1	Dibromochloromethane		U	14
110-75-8	2-Chloroethylvinylether		U	14
10061-02-6	trans-1,3-Dichloropropene			14
79-00-5	1,1,2-Trichloroethane		Ü	14
75-25-2	Bromoform 4-Methyl-2-Pentanone		Ŭ	14
108-10-1			Ū	14
591-78-6	2-Hexanone Tetrachloroethene		Ŭ	14
127-18-4	1,1,2,2-Tetrachloroethane		Ū	14
79-34-5	Toluene	3	J	14
108-88-3	Chlorobenzene		Ū	14
108-90-7	Ethylbenzene		U	14
100-41-4 100-42-5	Styrene		Ū	14
	1,3-Dichlorobenzene		U	14
541-73-1 106-46-7	1,4-Dichlorobenzene		U	14
95-50-1	1,2-Dichlorobenzene		U	14
1330-20-7	Xylenes, total		U_	14
540-59-0	Total-1,2-Dichoroethene		U	14

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540-59-0

FORM I VOA CTDOHS PH-0554

M-NY049

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# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	١	10.
SS-6		

Lab Name:	STL No	ewburgh	Contract:			
Lab Code:	10142	Case No.:	SAS No.		SDG No.: 237	194
Matrix: (soil/v	water)	SOIL	Lab	Sample l	D: 237194-020	
Sample wt/vo		5.0 (g/ml) G	Lab	File ID:	X7926A.D	
Level: (low/r		LOW	 Dat	e Receive	ed: 6/11/2004	
% Moisture:	-	28.7	Date	e Analyze	d: 6/21/2004	
GC Column:				ition Facto		<del></del>
Soil Extract \		(uL)		Aliquot V		(uL)
Number TICs	s found:	3	CONCENTRATE (ug/L or ug/Kg)			
CAS NO.		COMPOUND NAME		RT	EST. CONC.	Q
1, 00011	0-54-3	Hexane		9.54	13	JN
2. 00007		1-Propanol		9.95	100	<u>JN</u>

3.

Unknown

PA 68-378

10.61

### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

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RL

Lab Name:	STL Ne	wburgh		Contract:	SS-7	
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 237194	
Matrix: (soil/w	vater)	SOIL	_	Lab Sample	ID: 237194-021	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File ID:	X7942.D	
Level: (low/m	ned)	LOW	_	Date Receive	ved: 6/11/2004	
% Moisture: r	not dec.	32.8		Date Analyze	ed: 6/23/2004	
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilution Fact	tor: 1.0	
Soil Extract V	olume:		(uL)	Soil Aliquot \	Volume:	(uL)
			_	Units: (ug/L o	or ug/Kg) UG/KG	
CAS NO	1	COMPOUN	D	RE	ESULT Q	

CAS NO.	COMPOUND	RESULT	u	:NL
74-87-3	Chloromethane		U	15
74-83-9	Bromomethane		U	15
75-01-4	Vinvl Chloride		U	15
75-00-3	Chloroethane		U	. 15
75-09-2	Methylene Chloride	2	13	15
67-64-1	Acetone	6	J	15
75-15-0	Carbon Disulfide		U	15
75-35-4	1.1-Dichloroethene		U	15
75-34-4	1,1-Dichloroethane		U	15
67-66-3	Chloroform		U.	15
107-06-2	1,2-Dichloroethane		U	15
78-93-3	2-Butanone		· U	15
108-05-4	Vinyl Acetate		U	15
71-55-6	1,1,1-Trichloroethane	'	U	15
56-23-5	Carbon Tetrachloride		U	15
	Bromodichloromethane		<u> </u>	15
78-87-5	1,2-Dichloropropane		U	15
10061-01-5	cis-1,3-Dichloropropene		U	15
79-01-6	Trichloroethene		U	15
71-43-2	Benzene		U	15
124-48-1	Dibromochloromethane		U	15
110-75-8	2-Chloroethylvinylether		U.	15
10061-02-6	trans-1,3-Dichloropropene		U	15
79-00-5	1,1,2-Trichloroethane		<u> </u>	15
75-25-2	Bromoform		U	15
108-10-1	4-Methyl-2-Pentanone		U	15
591-78-6	2-Hexanone		U	15
127-18-4	Tetrachloroethene		U	15
79-34-5	1,1,2,2-Tetrachloroethane		U	15
108-88-3	Toluene		υ	15
108-90-7	Chlorobenzene		U	15
100-41-4	Ethylbenzene		U	15
100-42-5	Styrene		U	15
541-73-1	1,3-Dichlorobenzene		U	15
106-46-7	1,4-Dichlorobenzene		U	15
95-50-1	1,2-Dichlorobenzene		<u> </u>	15
1330-20-7	Xylenes, total		U	15
540-59-0	Total-1,2-Dichoroethene		U	15

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PA 68-378

# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

	SS-7	
- 1		

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh		Contra	ct:		30-7		
Lab Code:	10142	Cas	e No.:	SAS	No.:	_ Si	DG No.:	237	194
Matrix: (soil/v	vater)	SOIL			Lab Sample	D:	237194-	021	
Sample wt/vo	ol:	5.0	(g/ml) G		Lab File ID:		X7942.D	)	
Level: (low/n	ned)	LOW			Date Receiv	ved:	6/11/200	)4	<del></del>
% Moisture: r	not dec.	32.8			Date Analyz	zed:	6/23/200	4	
GC Column:	DB-624	ID: 0.2	5 (mm)		Dilution Fac	tor:	1.0		
Soil Extract V	/olume:		(uL)		Soil Aliquot	Volur	me:		(uL)
Number TICs	s found:	2		CONCENTF (ug/L or ug/h					
CAS NO.		COMPOU	ND NAME	,	RT	ES.	T. CONC	<b>).</b>	Q
1. 000110	)-54-3	Hexane			9.54		13		JN
2, 000071	-23-8	1-Propanol			9.98		11	<u> </u>	<u>JN</u>

EPA NY049

# **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO	)
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Lab Name: S	STL Ne	wburgh		Contract:	SS-8	
Lab Code: 1	0142	Cas	se No.:	SAS No.:	SDG No.: 237194	_
Matrix: (soil/wa	iter)	SOIL	_	Lab Sample I	D: 237194-022	_
Sample wt/vol:		5.0	(g/ml) G	Lab File ID:	X7943.D	
Level: (low/me	id)	LOW		Date Receive	d: 6/11/2004	
% Moisture: no	t dec.	31.6		Date Analyze	d: 6/23/2004	
GC Column: D	B-624	iD: 0.2	25 (mm)	Dilution Facto	r: <u>1.0</u>	
Soil Extract Volume:			(uL)	Soil Aliquot Vo	olume: (	uL)
•	•			Units: (ug/L or	ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
UMO NO.	COMI COME			

CAS NO.	COMPOUND	RESULT	Q	KL
74-87-3	Chloromethane		U	15
74-83-9	Bromomethane		U	15
75-01-4	Vinyl Chloride		U	15
75-00-3	Chloroethane		U	15
75-09-2	Methylene Chloride	23		15_
67-64-1	Acetone	3	J	15
75-15-0	Carbon Disulfide		U	15
75-35-4	1,1-Dichloroethene		U	15
75-34-4	1,1-Dichloroethane		U	15
67-66-3	Chloroform	. 2	J	15
107-06-2	1,2-Dichloroethane		U	15
78-93-3	2-Butanone		U	15
108-05-4	Vinyl Acetate		U	15
71-55-6	1,1,1-Trichloroethane		U	15
56-23-5	Carbon Tetrachloride		U	<u>15</u>
75-27-4	Bromodichloromethane		U	15
78-87-5	1,2-Dichloropropane		<u> </u>	15
10061-01-5	cis-1,3-Dichloropropene		U	<u>15</u>
79-01-6	Trichloroethene		U.	15
71-43-2	Benzene		U	15
124-48-1	Dibromochloromethane		U	15
110-75-8	2-Chloroethylvinylether		υ	15
10061-02-6	trans-1,3-Dichloropropene		U	15
79-00-5	1,1,2-Trichloroethane		U	15
75-25-2	Bromoform		U	15
108-10-1	4-Methyl-2-Pentanone		υ	15
591-78-6	2-Hexanone		U	15
127-18-4	Tetrachloroethene		U	15
79-34-5	1,1,2,2-Tetrachloroethane		U	15
108-88-3	Toluene		υ	15
108-90-7	Chlorobenzene		U	<u> </u>
100-41-4	Ethylbenzene		U	15
100-42-5	Styrene		U	15
541 <b>-</b> 73-1	1,3-Dichlorobenzene		U	15
106-46-7	1,4-Dichlorobenzene		U	15
95-50-1	1,2-Dichlorobenzene		U	15
540-59-0	Total-1,2-Dichoroethene		U	15
1330-20-7	Xylenes, total		U	15

SEVERN STL NYSDOH 10142

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M-NY049

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PA 68-378

# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SS-8	

Lab Name:	STL Ne	wburgh		(	Contra	ct:				
Lab Code:	10142		ase No.:		SAS	No.:	s	DG No.:	2371	94
Matrix: (soil/w	/ater)	SOIL				Lab Sample	e ID:	237194-	022	
Sample wt/vo	1:	5.0	(g/ml) <u>G</u>			Lab File ID:		X7943.D	)	
Level: (low/m	red)	LOW				Date Receiv	ved:	6/11/200	)4	
% Moisture: n	ot dec.	31.6				Date Analyz	zed:	6/23/200	)4	
GC Column:	DB-624	ID: _(	0.25 (mm)			Dilution Fac	ctor:	1.0		
Soil Extract V	olume:	<del></del>	(uL)			Soil Aliquot	Volu	me:		(uL)
					CENTF or ug/l	RATION UN (g) UG	ITS: /KG			
Number TICs	found:	0	·					···	<del></del>	
CAS NO.		COMPC	OUND NAME			RT	ES	ST. CONC	; <u> </u>	Q

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EPA NY049

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	Æ	NC	).
				_

Lab Name: STL N	ewburgh	Contract:	SS-9	
Lab Code: _ 10142	Case No.:	SAS No.: S	SDG No.: 237194	
Matrix: (soil/water)	SOIL	Lab Sample ID:	237194-023	
Sample wt/vol:	5.0 (g/ml) <u>G</u>	Lab File ID:	X7944.D	
Level: (low/med)	LOW	Date Received:	6/11/2004	
% Moisture: not dec.	14.1	Date Analyzed:	6/23/2004	
GC Column: DB-624	1 ID: <u>0.25</u> (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volume:		
·		Units: (ug/L or u	g/Kg) <u>UG/KG</u>	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U S	12
74-83-9	Bromomethane		ប្រ	12
75-01-4	Vinyl Chloride		U 2	12
75-00-3	Chloroethane		0.2	12
75-09-2	Methylene Chloride		3	12
67-64-1	Acetone	66		12
75-15-0	Carbon Disulfide		υΣ	12
75-35-4	1,1-Dichloroethene		0.2	12
75-34-4	1,1-Dichloroethane		UJ	12
67-66-3	Chloroform	2	11	12
107-06-2	1,2-Dichloroethane		U T	12
78-93-3	2-Butanone		ប្រ	12
108-05-4	Vinyl Acetate		υJ	12
71-55-6	1,1,1-Trichloroethane		U 3	12
56-23-5	Carbon Tetrachloride		O 22	12
75-27-4	Bromodichloromethane		U.3.	12
78-87-5	1,2-Dichloropropane		0.2	12
10061-01-5	cis-1,3-Dichloropropene		UJ	12
79-01-6	Trichloroethene		U <b>J</b>	12
71-43-2	Benzene		U <b>J</b>	12
124-48-1	Dibromochloromethane		U <b>T</b>	12
110-75-8	2-Chloroethylvinylether		U.J	12
10061-02-6	trans-1,3-Dichloropropene		UŢ	12
79-00-5	1,1,2-Trichloroethane		U 🗓	12
75-25-2	Bromoform		U 2	12
108-10-1	4-Methyl-2-Pentanone		U 2	12
591-78-6	2-Hexanone		ΠŢ	12
127-18-4	Tetrachloroethene		U 1	12
79-34-5	1,1,2,2-Tetrachloroethane		U <b>3</b>	12
108-88-3	Toluene		υσ	12
108-90-7	Chlorobenzene		υJ	12
100-41-4	Ethylbenzene		<u> </u>	12
100-42-5	Styrene		U J	12
541-73-1	1,3-Dichlorobenzene		U 7	12
106-46-7	1,4-Dichlorobenzene		<u>U 7</u>	12
95-50-1	1,2-Dichlorobenzene		∩ <b>2</b>	12
1330-20-7	Xylenes, total		0.2	12
540-59-0	Total-1,2-Dichoroethene		∩ 2	12

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M-NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/90 FORM LVOA CTDOHS PH-0554 NYSDOH 10142 NJDEP 73015 EPA NY049 PA 68-378

# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.
	··············	

Lab Name:	STL Ne	wburgh		Contract:			
Lab Code:	10142	Case No.: SAS No.:			SDG No.: 237	194	
Matrix: (soil/v	water)	SOIL			Lab Sample	D: 237194-023	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>		Lab File ID:	X7944.D	
Level: (low/n	ned)	LOW			Date Recei	ved: 6/11/2004	
% Moisture:	not dec.	14.1			Date Analyzed:		—
GC Column:	DB-624	ID: 0	).25 (mm)		Dilution Fac	tor: <u>1.0</u>	
Soil Extract V	/olume:		(uL)	;	Soil Aliquot	Volume:	(uL)
Number TICs	s found:	2	<u>.</u>	CONCENTR (ug/L or ug/k			
CAS NO.		СОМРО	UND NAME		RT	EST. CONC.	Q

3/90

M-NY049

9.54

1. 000110-54-3

2. 000071-23-8

Hexane

1-Propanol

# VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	CΛ	RAD)	-	NIC
	0/	IVIC		IYU.

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	SS-9RE

lah Namer STI N	ewburgh	Contract:	S	S-9RE		
<del></del>				No : 23710	4	
Lab Code: <u>10142</u>	Case No.:	_				
Matrix: (soil/water)	SOIL	Lab Sam	nple ID: <u>237</u>	194-023RE		
Sample wt/vol:	5.0 (g/ml) G	Lab File	ID: X79	51.D	_	
Level: (low/med)	<del></del>		ceived: 6/11	1/2004		
		Data An	alyzed: 6/24	1/2004	_	
% Moisture: not dec.	<del></del>		· ·		-	
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution f	Factor: <u>1.0</u>		-	
Soil Extract Volume:	(uL)	Soil Aliqu	uot Volume:		_ (uL)	
•		Units: (ur	g/L or ug/Kg)	UG/KG		
		O/11.01 (0)	g, <b>2</b> 0, -g, , ,g,			
CAS NO.	COMPOUND		RESULT	Q		RL
74-87-3	Chloromethane			U		12
74-83-9	Bromomethane			U		12
75-01-4	Vinyl Chloride			U		12
75-00-3	Chloroethane			U	<del></del>	12
75-09-2	Methylene Chloride		42	+		12 12
67-64-1	Acetone		36	U		12
75-15-0	Carbon Disulfide			U		12
75-35-4	1,1-Dichloroethene			U		12
75-34-4	1,1-Dichloroethane		2	j		12
67-66-3	Chloroform			U	-	12
107-06-2	1,2-Dichloroethane 2-Butanone			Ü		12
78-93-3 108-05-4	Vinyl Acetate			U		12
71-55-6	1,1,1-Trichloroethane			บัง		12
56-23-5	Carbon Tetrachloride			U 3		12
75-27-4	Bromodichioromethane			UJ		12
78-87-5	1,2-Dichloropropane					12
10061-01-5	cis-1,3-Dichloropropene			U.J.		12
79-01-6	Trichloroethene			n 1		12
71-43-2	Benzene			U.1		12
124-48-1	Dibromochioromethane			0.2		12
110-75-8	2-Chloroethylvinylether			0.2		12
10061-02-6	trans-1,3-Dichloropropene			0.2		12
79-00-5	1,1,2-Trichloroethane			0.2		12
75-25-2	Bromoform			0 <b>3</b>		12
108-10-1	4-Methyl-2-Pentanone			0.3		12
591-78-6	2-Hexanone			υŢ		12
127-18-4	Tetrachloroethene			0.2		12 12
79-34-5	1,1,2,2-Tetrachloroethane			U I		12
108-88-3	Toluene			U 7		12
108-90-7	Chlorobenzene			0.2	· ·	12
100-41-4	Ethylbenzene			03		12
100-42-5	Styrene			03		12
541-73-1	1,3-Dichlorobenzene			0.2		12
106-46-7	1,4-Dichlorobenzene			0.3		12
95-50-1	1,2-Dichlorobenzene  Xylenes, total			U 3		12
1330-20-7	Ayidiles, ioiai					

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540-59-0

U 3

12

Total-1,2-Dichoroethene

3/90

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAN	ΛΡI	.E	M	)
					-

Lab Name:	STI NA	ewburgh	Contract:				55-91	<⊏	· [	
						DG No.:	237	194		
Lab Code:	10142		ase No.:			_				
Matrix: (soil/	water)	SOIL	_		Lab Sample	ID:	237194-	-023F	<u>₹E</u>	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>		Lab File ID:		X7951.E	)		
Level: (low/r	ned)	LOW			Date Receiv	/ed:	6/11/200	)4		
% Moisture:	not dec.	14.1			Date Analyz	ed:	6/24/200	)4		
GC Column:	DB-624	ID: <u>0</u>	.25 (mm)	I	Dilution Fac	tor:	1.0			
Soil Extract \	/olume:		(uL)	;	Soil Aliquot	Volu	me:		(uL)	
				CONCENTRATION UNITS:						
Number TICs	s found:	2	•	(ug/L or ug/K	· · ·	NO				
040 NO		COMPO	UND NAME		RT	ES	T. CONC	$, \top$	D	
CAS NO.		COMPO	OIAD IAVIME						———i	
1. 000110	0-54-3	Hexane			9.53			8	JN	
2 00007	1 22 0	1-Dropano	N .		9 97		14	4 [	JN I	

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE	NO.
SS-10	

Lab Name: STL N	awhiirah	Contract:	SS-10	
			N 00740	
	Case No.:			4
Matrix: (soil/water)	SOIL	Lab Sample ID: 23	7194-024	
Sample wt/vol:	5.0 (g/ml) G	Lab File ID: X7	952.D	-
Level: (low/med)	<del></del>	Date Received: 6/	11/2004	_
% Moisture: not dec.		Date Analyzed: 6/2	24/2004	
	<u> </u>	Dilution Factor: 1.0		-
	1D: <u>0.25</u> (mm)			. ()
Soil Extract Volume:	(uL)	Soil Aliquot Volume		_ {uL}
		Units: (ug/L or ug/K	g) <u>UG/KG</u>	
		RESULT	Q	RL
CAS NO.	COMPOUND	KESULI	Q	r.c.
74-87-3	Chloromethane		U	12
74-83-9	Bromomethane		U	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12
75-09-2	Methylene Chloride	32		12
67-64-1	Acetone	40		12
75-15-0	Carbon Disulfide		U	12
75-35-4	1,1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		U	12
67-66-3	Chloroform		U	12
107-06-2	1,2-Dichloroethane		U	12
78-93-3	2-Butanone		· U	12
108-05-4	Vinyl Acetate		U	12
71-55-6	1,1,1-Trichloroethane		U	12
56-23-5	Carbon Tetrachloride		U	12
75-27-4	Bromodichloromethane		U	12
78-87-5	1,2-Dichloropropane		U	12
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		U	12
71-43-2	Benzene		U	12
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chloroethylvinylether		U.	12
10061-02-6	trans-1,3-Dichloropropene		U	12
79-00-5	1,1,2-Trichloroethane		U	12
75-25-2	Bromoform		U	12
108-10-1	4-Methyl-2-Pentanone		リゴ	12
591-78-6	2-Hexanone		0.2	12
127-18-4	Tetrachioroethene		U 3	12
79-34-5	1,1,2,2-Tetrachloroethane		UJ	12
108-88-3	Toluene		UJ	12
108-90-7	Chlorobenzene		UJ	12
100-41-4	Ethylbenzene		UJ	12
100-41-4	Styrene		0.2	12
541-73-1	1,3-Dichlorobenzene		0.2	12
106-46-7	1,4-Dichlorobenzene		0.2	12
95-50-1	1,2-Dichlorobenzene		0.2	12
2000	· · · · · · · · · · · · · · · · · · ·		,	

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1330-20-7

3/90 PA 68-378 M-NY049

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

12

12

FORM I VOA CTDOHS PH-0554 NJDEP 73015 EPA NY049 NYSDOH 10142

Xylenes, total

Total-1,2-Dichoroethene

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMI	LL	NO

35

9.95

JN

Lab Name:	STL Ne	whurah	ase No.: SAS No.: S			55	5-1U		
Lab Code:	10142					SDG N	lo.: 237	194	
Matrix: (soil/		SOIL			Lab Sample	ID: <u>237</u> 1	194-024		
Sample wt/vo		5.0	_ (g/ml) G		Lab File ID:	X79	52.D		
Level: (low/n		LOW		<del></del>	Date Receiv	ed: 6/11	/2004	<u>.</u>	
% Moisture:	not dec.	14.3			Date Analyzed: Dilution Factor:		/2004		
GC Column:	DB-624	ID: 0.	25 (mm)						
Soil Extract \	/olume:		_ (uL)	:	Soil Aliquot \	√olume:		(uL)	
Number TICs	s found:	2	_	CONCENTR (ug/L or ug/k					
CAS NO.		COMPOL	JND NAME		RT	EST. CO	ONC.	Q	
1. 000110	0-54-3	Hexane		9.53 6 JN				JN	

2. 000071-23-8

1-Propanol

PA 68-378

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SΔ	MPI	F	NO
	OH	JVITE	_ ==	INO

SS-10RE
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L Newburgh	Contract:		
42 Case No.:	SAS No.: S	SDG No.: 237194	
r) SOIL	Lab Sample ID:	237194-024RE	
5.0 (g/ml) <u>G</u>	Lab File ID:	X7953.D	
LOW	Date Received:	6/11/2004	
lec. 14.3	Date Analyzed:	6/24/2004	
624 ID: 0.25 (mm)	Dilution Factor:	1.0	
ne: (uL)	Soil Aliquot Volu	ıme:	(uL)
	Units: (ug/L or u	g/Kg) <u>UG/KG</u>	_
	Case No.:  r) SOIL  5.0 (g/ml) G  LOW  lec. 14.3  624 ID: 0.25 (mm)	142   Case No.:   SAS No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sas No.:   Sa	SAS No.: SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   SDG No.: 237194   S

				_
CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	12
74-83-9	Bromomethane		U	12
75-01-4	Vinyl Chloride		U	12
75-00-3	Chloroethane		U	12_
75-09-2	Methylene Chloride	21	ኳ	12
67-64-1	Acetone	16	- 3	12
75-15-0	Carbon Disulfide		U	12
75-35-4	1,1-Dichloroethene		U	12
75-34-4	1,1-Dichloroethane		U	12
67-66-3	Chloroform		U	12
107-06-2	1,2-Dichloroethane		U	12
78-93-3	2-Butanone		U	12_
108-05-4	Vinyl Acetate		<u> </u>	12
71-55-6	1,1,1-Trichloroethane		U	12
56-23-5	Carbon Tetrachloride		U	12
75-27-4	Bromodichloromethane		U	12
78-87-5	1,2-Dichloropropane		U	12_
10061-01-5	cis-1,3-Dichloropropene		U	12
79-01-6	Trichloroethene		U.	12
71-43-2	Benzene		U	12
124-48-1	Dibromochloromethane		U	12
110-75-8	2-Chloroethylvinylether		U	12
10061-02-6	trans-1,3-Dichloropropene		U	12
79-00-5	1,1,2-Trichloroethane		U	12
75-25-2	Bromoform		U	12
108-10-1	4-Methyl-2-Pentanone		U	12
591-78-6	2-Hexanone		U	12
127-18-4	Tetrachloroethene		U	12
79-34-5	1,1,2,2-Tetrachloroethane		U	12
108-88-3	Toluene		U	12
108-90 <b>-</b> 7	Chlorobenzene		U	12
100-41-4	Ethylbenzene		Ú	12
100-42-5	Styrene		U	12
541-73-1	1,3-Dichlorobenzene		U	12
106-46-7	1,4-Dichlorobenzene		U	12
95-50-1	1,2-Dichlorobenzene		U	12
1330-20-7	Xylenes, total		U	12
540-59-0	Total-1,2-Dichoroethene		U	12

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FORM LVOA CTDOHS PH-0554

554 E

PA 68-378

3/90

M-NY049

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.

JN

Lab Name:	STL Ne	wburgh_		Contrac	ot:		_ SS-TURE	
Lab Code:	10142	· c	ase No.:	SAS	No.:	_ s	DG No.: 2371	94
Matrix: (soil/w	ater)	SOIL	- <del>-</del>		Lab Sample	D:	237194-024R	<u>E</u>
Sample wt/voi	:	5.0	(g/ml) <u>G</u>		Lab File ID:		X7953.D	<u> </u>
Level: (low/m	ed)	LOW			Date Receiv	ved:	6/11/2004	
% Moisture; ne	ot dec.	14.3		!	Date Analyz	ed:	6/24/2004	_
GC Column: [	DB-624	ID: _C	),25_ (mm)	l	Dilution Fac	tor:	1.0	_
Soil Extract Vo	olume:		(uL)	;	Soil Aliquot	Volu	me:	(uL)
				CONCENTR				
Number TICs	found:	2		(ug/L or ug/K	(g) <u>UG</u> /	KG.		
CAS NO.		СОМРО	UND NAME		RT	ES	ST. CONC.	Q

M-NY049

PA 68-378

9.53

9.96

000110-54-3

000071-23-8

<u>Hexane</u>

1-Propanol

#### 1B

# EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	SW-1
i	

Lab Name:	STL Ne	wburgh		_ Cont	ract:	_
Lab Code:	10142	Cas	e No.:	SA	AS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	WATER			Lab Sample ID:	237194-001
Sample wt/vo	ol:	950.0	(g/mi) ML		Lab File ID:	S30184.D
Level: (low/n	ned)	LOW			Date Received:	6/11/2004
% Moisture:		deca	anted:(Y/N)	N	Date Extracted:	6/16/2004
Concentrated	Extract	 Volume: 10	000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2	0 (uL)			Dilution Factor:	1.0
GPC Cleanur		N	pH:		Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL	
111-44-4	bis(2-Chloroethyl)ether		U	11	
108-95-2	Phenol		U	11	
95-57-8	2-Chiorophenol		U	11	
541-73-1	1,3-Dichlorobenzene		U	11	
106-46-7	1,4-Dichlorobenzene		U	11	
95-50-1	1,2-Dichlorobenzene		U	11	
100-51-6	Benzyl alcohol		U	11	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11	
95-48-7	2-Methylphenol		U	11	
67-72-1	Hexachloroethane		U	11	
621-64-7	N-Nitroso-di-n-propylamine		U	11	
106-44-5	4-Methylphenol		U		
98-95-3	Nitrobenzene	•	U	11	
78-59-1	Isophorone		J	11	
88-75-5	2-Nitrophenol		U	11	
105-67-9	2,4-Dimethylphenol		υ	11	
111-91-1	bis(2-Chloroethoxy)methane		U	11	
120-83-2	2,4-Dichlorophenol		U	11	
120-82-1	1,2,4-Trichlorobenzene		U	11	
91-20-3	Naphthalene		U	11	
106-47-8	4-Chloroaniline		U	11	
87-68-3	Hexachlorobutadiene		U	11	
59-50-7	4-Chloro-3-methylphenol		U	11	
91-57-6	2-Methylnaphthalene		U	11	
77-47-4	Hexachlorocyclopentadiene		U	11	
88-06-2	2,4,6-Trichiorophenol		U	11	
95-95-4	2,4,5-Trichlorophenol		U	53	
91-58-7	2-Chloronaphthalene		U	11	
88-74-4	2-Nitroaniline		U	26	
208-96-8	Acenaphthylene		U	11	
131-11-3	Dimethylphthalate		U	11	
606-20-2	2.6-Dinitrotoluene		U	11	
83-32-9	Acenaphthene		U	11	
99-09-2	3-Nitroaniline		U	26	
51-28-5	2,4-Dinitrophenol		υ	26	
132-64-9	Dibenzofuran		U	11	
121-14-2	2,4-Dinitrotoluene		U	11	

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#### 1C

EPA SAMPLE NO.

s	EMIVOLATILE ORGANICS ANA	ALYSIS DATA SHEET	SW-1	
Lab Name: STL N	ewburgh	Contract:		
Lab Code: 10142	Case No.:	SAS No.: S	DG No.: 2371	94
	WATER	Lab Sample ID:		
	950.0 (g/ml) ML	Lab File ID:	S30184.D	
Level: (low/med)		Date Received:		_
•	decanted:(Y/N) N			_
Concentrated Extrac	t Volume: 1000 (uL)	Date Analyzed:	6/23/2004	_
Injection Volume:	2.0 (uL)	Dilution Factor:	1.0	
GPC Cleanup: (Y/N)	N pH:	Units: (ug/L or u	g/Kg) UG/L	
CAS NO.	COMPOUND	RESU	LT Q	RL
100-02-7	4-Nitrophenol		U	26
86-73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroanlline		U	26
534-52-1	4,6-Dinitro-2-methylphenoi		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	11
87-86-5	Pentachlorophenol		U	26
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11

Pyrene		U	11
Butylbenzylphthalate		U	11
		U	11
		U	11
Chrysene		U	11
bis(2-Ethylhexyl)phthalate	3	J₽Z	11
		ប់	11
		U	11
	Pyrene Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene n-Nitrosodimethylamine Dibenz(a,h)anthracene Benzo(g,h,i)perylene	Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl)phthalate 3 Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene n-Nitrosodimethylamine Dibenz(a,h)anthracene	Butylbenzyiphthalate

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SW-1			

EPA SAMPLE NO.

Lab Name:	STL Ne	wburah		Contrac	ot:			
Lab Code:	10142	Case No.		_ SAS	No.:	SI	DG No.: 23	37194
Matrix: (soil/v	vater)	WATER			Lab Sample	ID:	237194-00	1
Sample wt/vo	ol:	950.0 (g/ml	) <u>ML</u>		Lab File ID:		S30184.D	
Level: (low/n	ned)	LOW			Date Receiv	/ed:	6/11/2004	
% Moisture:		decanted:	(Y/N)	N	Date Extrac	ted:	6/16/2004	<del></del>
Concentrated	I Extract	Volume: 1000	(uL)		Date Analyz	ed:	6/23/2004	
Injection Volu	me: 2.0	0 (uL)		1	Dilution Fac	tor:	1.0	
GPC Cleanup	o: (Y/N)	N pH:	<del></del>					
		•		CONCE	NTRATION	UNIT	S:	
Number TICs	found:	0		(ug/L or	ug/Kg)	UG/L		
CAS NUMB	ER	COMPOUND NA	ME		RT	ES'	T. CONC.	Q

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#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SW-2		
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	OL.	,,,,, • <del>• •</del> • • •					SW-2	
Lab Name:	STL Nev	wburgh		C	ontract:			
Lab Code:	10142	Ca	ase No.:		SAS No.:	_ SDO	G No.: 2371	194
Matrix: (soil/v	vater)	WATER	<u></u>		Lab Sample	∍ ID: <u>2</u>	37194-002	
Sample wt/vo	)!:	300.0	(g/ml) ML		Lab File ID:	<u>s</u>	30185.D	_
Level: (low/m	ned)	LOW	_		Date Receiv	ved: <u>6</u>	/11/2004	
% Moisture:		de	canted:(Y/N)	N	_ Date Extrac	ted: <u>6</u> .	/16/2004	
Concentrated	i Extract	Volume:	1000 (uL)		Date Analyz	zed: <u>6</u> .	/23/2004	
Injection Volu	ıme: <u>2.</u>	<u>0</u> (uL)			Dilution Fac	tor: 1	.0	<del></del>
GPC Cleanup	o: (Y/N)	N	pH:		Units: (ug/L	or ug/ł	Kg) <u>UG/L</u>	<del></del>
CAS NO.		COMPOUN	D		RI ·	ESULT	- Q	
								1

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	33
108-95-2	Phenol		U.	33
95-57-8	2-Chlorophenol		Ų	33
541-73-1	1,3-Dichlorobenzene		U	33
106-46-7	1.4-Dichiorobenzene		U	33
95-50-1	1,2-Dichlorobenzene		U	33
100-51-6	Benzyl alcohol		U	33
108-60-1	2,2'-oxybis(1-Chloropropane)		U	33
95-48-7	2-Methylphenol		U	33
67-72-1	Hexachloroethane		U	33
621-64-7	N-Nitroso-di-n-propylamine		U	33
106-44-5	4-Methylphenol		U	33
98-95-3	Nitrobenzene		U	33
78-59-1	Isophorone		U	33
88-75-5	2-Nitrophenol		U	33
105-67-9	2,4-Dimethylphenol		U	33
111-91-1	bis(2-Chloroethoxy)methane		U	33
120-83-2	2,4-Dichlorophenol		U	33
120-82-1	1,2,4-Trichlorobenzene		U	33
91-20-3	Naphthalene		U	33
106-47-8	4-Chloroaniline		υ	33
87-68-3	Hexachlorobutadiene		U	33
59-50-7	4-Chloro-3-methylphenol		U	33
91-57-6	2-Methylnaphthalene		Ų	33
77-47-4	Hexachlorocyclopentadiene		υ	33
88-06-2	2,4,6-Trichlorophenol		U	33
95-95-4	2,4,5-Trichlorophenol		U	170
91-58-7	2-Chloronaphthalene		U	33
88-74-4	2-Nitroaniline		U	83
208-96-8	Acenaphthylene		U	33
131-11-3	Dimethylphthalate		U	33
606-20-2	2,6-Dinitrotoluene		U	33
83-32-9	Acenaphthene		U	33
99-09-2	3-Nitroaniline		U	83
51-28-5	2,4-Dinitrophenol		U	83
132-64-9	Dibenzofuran		U	33
121-14-2	2.4-Dinitrotoluene		U	33

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3/90 M-NY049

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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	SW-2			
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Lab Name:	STL Ne	wburgh		C	ontract:	
Lab Code:	10142	Ca	se No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	WATER	_		Lab Sample ID:	237194-002
Sample wt/vol:		300.0	(g/ml) ML		Lab File ID:	S30185.D
Level: (low/med)		LOW			Date Received:	6/11/2004
% Moisture:		decanted:(Y/N)		N	Date Extracted:	6/16/2004
Concentrated	Extract '	Volume: _	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Factor:	1.0
GPC Cleanup: (Y/N) N pH:					Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL.
100-02-7	4-Nitrophenol		U	83
86-73-7	Fluorene		U	33
7005-72-3	4-Chlorophenyl-phenylether		U	33
84-66-2	Diethylphthalate		U	33
100-01-6	4-Nitroaniline		U	83
534-52-1	4,6-Dinitro-2-methylphenol		U	83
86-30-6	n-Nitrosodiphenylamine (1)		U	33
101-55-3	4-Bromophenyl-phenylether		U	33
118-74-1	Hexachlorobenzene		U	33
87-86-5	Pentachlorophenol		U	83
85-01-8	Phenanthrene	<u>-</u>	U	33
120-12-7	Anthracene		Ü	33
84-74-2	Di-n-butylphthalate		U	33
206-44-0	Fluoranthene		U	33
129-00-0	Pyrene		U	33
85-68-7	Butylbenzylphthalate		U	33
91-94-1	3,3'-Dichlorobenzidine		U	33
56-55-3	Benzo(a)anthracene		U	33
218-01-9	Chrysene		U	33
117-81-7	bis(2-Ethylhexyl)phthalate	8	J <b>B</b> Ś	33
117-84-0	Di-n-octylphthalate		U	33
205-99-2	Benzo(b)fluoranthene	4	U J <b>⊉</b>	33
207-08-9	Benzo(k)fluoranthene			33
50-32-8	Benzo(a)pyrene		U	33
193-39-5	Indeno(1,2,3-cd)pyrene		U	33
62-75-9	n-Nitrosodimethylamine		U	33
53-70-3	Dibenz(a,h)anthracene		U	33
191-24-2	Benzo(g,h,i)perylene		U	33



3/90 M-NY049

PA 68-378

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SW-2	

Lab Name:	STL Ne	whitah			Contra	ct:		311-2	·
Lab Code:	10142		se No.:		SAS	*****	S	DG No.: 237	7194
Matrix: (soil/v		WATER				Lab Sampl	le ID:	237194-002	
Sample wt/vo	ol:	300.0	(g/ml) ML			Lab File ID	);	S30185.D	
Level: (low/n	ned)	LOW				Date Rece	ived:	6/11/2004	
% Moisture:		deca	anted: (Y/N)	N		Date Extra	cted:	6/16/2004	
Concentrated	i Extract	Volume: 1	000 (uL)			Date Analy	zed:	6/23/2004	
Injection Volu	ıme: <u>2.</u> 0	0 (uL)				Dilution Fa	ctor:	1.0	
GPC Cleanur	o: (Y/N)	<u>N</u> !	oH:						
				С	ONCE	NTRATION	I UNI	rs:	
Number TICs	found:	1		(ι	ıg/L or	ug/Kg)	UG/I		<b>y</b>
CAS NUMB	FR	COMPOU	ND NAME			RT	ES	T. CONC.	Q

Unknown CnH2n

16.98

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Nev	wburgh		Co	ontract:	
Lab Code:	10142	c	ase No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/w	vater)	WATER			Lab Sample I	D: <u>237194-003</u>
Sample wt/vo	ıl:	930.0	(g/ml) ML		Lab File ID:	S30186.D
Level: (low/m		LOW			Date Receive	d: 6/11/2004
% Moisture:	•	d	 ecanted:(Y/N)	N	Date Extracte	ed: 6/16/2004
Concentrated	Extract \	Volume:	1000 (uL)		Date Analyze	d: 6/23/2004
Injection Volu					Dilution Facto	or: 1.0
GPC Cleanup		\	_ pH:	·	Units: (ug/L o	r ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	11
541-73-1	1,3-Dichlorobenzene		U	11
106-46-7	1,4-Dichlorobenzene		U	11
95-50-1	1,2-Dichlorobenzene		U _	11
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-di-n-propylamine		U	11
106-44-5	4-Methylphenol		U	11
	Nitrobenzene		U	11
98-95-3	Isophorone		U	11
78-59-1	2-Nitrophenol		U	11
88-75-5	2,4-Dimethylphenol		U	11
105-67-9	bis(2-Chloroethoxy)methane		U	11
111-91-1	2,4-Dichlorophenol		U	11
120-83-2	1,2,4-Trichlorobenzene		U	11
120-82-1	Naphthalene		٦	11
91-20-3	4-Chloroaniline		Ų	11
106-47-8	Hexachlorobutadiene		U	11
87-68-3	4-Chloro-3-methylphenol		U	11
59-50-7	2-Methylnaphthalene		U	11
91-57-6	Hexachlorocyclopentadiene		U	11
77-47-4	2,4,6-Trichlorophenol		U	11
88-06-2	2,4,5-Trichlorophenol		U	54
95-95-4	2-Chloronaphthalene		U	11
91-58-7	2-Nitroaniline		U	27
88-74-4	· · · · · · · · · · · · · · · · · · ·		U	11
208-96-8	Acenaphthylene		U	11
131-11-3	Dimethylphthalate		U	11
606-20-2	2,6-Dinitrotoluene		U	11
83-32-9	Acenaphthene		U	27
99-09-2	3-Nitroaniline		Ü	27
51-28-5	2,4-Dinitrophenol		Ü	11
132-64-9	<u>Dibenzofuran</u>		Ü	11
121-14-2	2,4-Dinitrotoluene STL Newburgh is a part of Sev	vero Trent Laboratories, Inc.	<del></del>	
	of Endinough to built of our			315

STL NYSDOH 10142

STL Newburgh 315 Fullarton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 3/90 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E.	NO.
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	SW-3				
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			181	/V-3	
Lab Name: STL N	lewburgh	Contract:			
Lab Code: 10142	Case No.:	SAS No.:	SDG 1	vo.: <u>2371</u>	94
Matrix: (soil/water)	WATER	Lab S	ample ID: <u>237</u>	194-003	
-	930.0 (g/ml) ML	Lab F	ile ID: S30	186.D	
Level: (low/med)			Received: 6/11	/2004	
•	<del></del>				<del></del>
% Moisture:	decanted:(Y/N) N		Extracted: 6/16		<del></del>
Concentrated Extrac	t Volume: 1000 (uL)	Date A	Analyzed: 6/23	1/2004	<del></del>
Injection Volume:	2.0 (uL)	Dilutio	n Factor: 1.0		<u>.</u>
GPC Cleanup: (Y/N)	N pH:	Units:	(ug/L or ug/Kg)	UG/L_	·
•					
0.10.110	COMPOUND		RESULT	Q	RL
CAS NO.	COMPOUND		KLOOLI	•	
100-02-7	4-Nitrophenol			U	27
86-73-7	Fluorene		·	U	11
7005-72-3	4-Chlorophenyl-phenylether			U	11
84-66-2	Diethylphthalate			U	11
100-01-6	4-Nitroaniline			U	27
534-52-1	4,6-Dinitro-2-methylphenol			U	27
86-30-6	n-Nitrosodiphenylamine (1)		_	U	11
101-55-3	4-Bromophenyl-phenylether			U	11
118-74-1	Hexachlorobenzene			U	11
87-86-5	Pentachlorophenol			U	27
85-01-8	Phenanthrene			U	11
120-12-7	Anthracene			U	11
84-74-2	Di-n-butylphthalate		2	JØ	11
206-44-0	Fluoranthene			U	11
129-00-0	Pyrene			U	11
85-68-7	Butylbenzylphthalate			U	11
91-94-1	3,3'-Dichlorobenzidine			U_	11
56-55-3	Benzo(a)anthracene			U	11
218-01-9	Chrysene		•	U	11
117-81-7	bis(2-Ethylhexyl)phthalate		3 -	JB	11
117-84-0	Di-n-octylphthalate			U	11
205-99-2	Benzo(b)fluoranthene			U	11
207-08-9	Benzo(k)fluoranthene			U	11
50-32-8	Benzo(a)pyrene			U	11
193-39-5	Indeno(1,2,3-cd)pyrene			U	11
60.75.0	n Nitrogodimethylamine		—	U	11

62-75-9

53-70-3 191-24-2 11

3/00 M·NY049

U

PA 68-378

n-Nitrosodimethylamine

Dibenz(a,h)anthracene Benzo(g,h,i)perylene

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SW-3		

EPA SAMPLE NO.

							344-3		
Lab Name:	STL Ne	wburgh	(	Contract	:		. L		
Lab Code:	10142	Case No.:		SAS N	lo.:	_ s	DG No.:	237	194
Matrix: (soil/w	vater)	WATER		L	ab Sample	e ID:	237194-	003	
Sample wt/vo	d:	930.0 (g/ml)	) <u>ML</u>	L	ab File ID:		S30186.	D	
Level: (low/m	ned)	LOW		D	ate Recei	ved:	6/11/200	4	
% Moisture:		decanted: (	Y/N) <u>N</u>	_ D	ate Extrac	ted:	6/16/200	4	<del></del>
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/23/2004									
Injection Volu	me: <u>2.</u>	0 (uL)		D	ilution Fac	tor:	1.0		
GPC Cleanup	): (Y/N)	NpH:							
			C	ONCEN	TRATION	UNIT	rs:		
Number TICs	found:	2	(u	g/L or u	g/Kg)	UG/l	<del>-</del>		
CAS NUMB	ER	COMPOUND NA	ME		RT	ES	T. CONC		Q
1. 000084	-69-5	1,2-Benzenedicart	oxylic acid,	bis	16.75		7		JN

16.97

Unknown CnH2n

#### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

•

Lab Name:	STL Newburgh Contract:			544-4
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	WATER	Lab S	Sample ID: 237194-004
Sample wt/vo	ol:	820.0 (g/ml) ML	Lab f	File ID: S30187.D
Level: (iow/n	ned)	LOW	Date	Received: 6/11/2004
% Moisture:		decanted:(Y/N)	N Date	Extracted: 6/16/2004
Concentrated	Extract	Volume: 1000 (uL)	Date	Analyzed: 6/23/2004
injection Volu	me: 2	.0 (uL)	Dilutio	on Factor: 1.0
GPC Cleanur	o: (Y/N)	N pH:	Units	: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	12
108-95-2	Phenol		U	12
95-57-8	2-Chlorophenol		U	12
541-73-1	1,3-Dichlorobenzene		U	12
106-46-7	1.4-Dichlorobenzene		U	12
95-50-1	1,2-Dichlorobenzene		U	12
100-51-6	Benzyl alcohol		U	12
108-60-1	2,2'-oxybis(1-Chloropropane)		U	12
95-48-7	2-Methylphenol		U	12
67-72-1	Hexachloroethane		U	12
621-64-7	N-Nitroso-di-n-propylamine		U _	12
106-44-5	4-Methylphenol		U	12
98-95-3	Nitrobenzene		U	12
78-59-1	Isophorone		U	12
88-75-5	2-Nitrophenol		Ŭ	12
105-67-9	2,4-Dimethylphenol		U	12
111-91-1	bis(2-Chloroethoxy)methane		υ	12
120-83-2	2,4-Dichlorophenol		U	12
120-82-1	1,2,4-Trichlorobenzene		U	12
91-20-3	Naphthalene		U	12
106-47-8	4-Chloroaniline		U	12
87-68-3	Hexachlorobutadiene		U	12
59-50 <b>-</b> 7	4-Chloro-3-methylphenol		U	12
91-57-6	2-Methylnaphthalene		U	12
77-47-4	Hexachlorocyclopentadiene		U	12
88-06-2	2,4,6-Trichlorophenol		U	12
95-95-4	2,4,5-Trichlorophenol		U	61
91-58-7	2-Chloronaphthalene		U	12
88-74-4	2-Nitroaniline		U	30
208-96-8	Acenaphthylene		<u> </u>	12
131-11-3	Dimethylphthalate		U	12
606-20-2	2,6-Dinitrotoluene		U	12
83-32-9	Acenaphthene		U	12
99-09-2	3-Nitroaniline		U	30
51-28-5	2,4-Dinitrophenol		U	30
132-64-9	Dibenzofuran		U	12
121-14-2	2,4-Dinitrotoluene		U	12

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/00 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FPA	SAMP	LE	NO
<b>:</b> ∕ \	<b>U</b> / 11 T 11		,

8	6W-4			
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Lab Name:	STL Nev	wburgh		(	Contract:	
Lab Code:	10142	c	ase No.: _		SAS No.:	SDG No.: 237194
Matrix: (soil/w	/ater)	WATER	_		Lab Sample ID	: 237194-004
Sample wt/vo	l:	820.0	_ (g/mi) <u>N</u>	/L	Lab File ID:	S30187.D
Level: (low/m	ned)	LOW	<u>.                                    </u>		Date Received	6/11/2004
% Moisture:		de	ecanted:(Y/N	N N	Date Extracted	: 6/16/2004
Concentrated	Extract \	√olume:	1000 (ប	L)	Date Analyzed:	6/23/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	: (Y/N)	N	pH:	••	Units: (ug/L or	ug/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	30
86-73-7	Fluorene		U	12
7005-72-3	4-Chlorophenyl-phenylether		U	12
84-66-2	Diethylphthalate		U	12
100-01-6	4-Nitroaniline		U	30
534-52-1	4,6-Dinitro-2-methylphenol		U	30
86-30-6	n-Nitrosodiphenylamine (1)		U	12
101-55-3	4-Bromophenyl-phenylether		U	12
118-74-1	Hexachlorobenzene		U	12
87-86-5	Pentachiorophenol	·	U_	30
85-01-8	Phenanthrene		Ų	12
120-12-7	Anthracene		U	12
84-74-2	Di-n-butylphthalate	44	J₽≸	12
206-44-0	Fluoranthene		U	12
129-00-0	Pyrene		U	12
85-68-7	Butylbenzylphthalate		U	12
91-94-1	3,3'-Dichlorobenzidine		U	12
56-55-3	Benzo(a)anthracene		U	12
218-01-9	Chrysene		U	12
117-81-7	bis(2-Ethylhexyl)phthalate	3	Jβ	12
117-84-0	Di-n-octylphthalate		U	12
205-99-2	Benzo(b)fluoranthene	1	JB	12
207-08-9	Benzo(k)fluoranthene		Ú	12
50-32-8	Benzo(a)pyrene		U	12
193-39-5	Indeno(1,2,3-cd)pyrene		U	12
62-75-9	n-Nitrosodimethylamine		U	12
53-70-3	Dibenz(a,h)anthracene		U	12
191-24-2	Benzo(g,h,i)perylene		U	12

SEVERN STL NYSDOH 10142

3/00 M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMP	LE NO.
CIAL 4	

Lab Name:	STL Ne	wburgh	_		Contract:	
Lab Code:	10142		ase No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	WATER	_		Lab Sample ID	237194-004
Sample wt/vo		820.0	(g/ml) ML		Lab File ID:	S30187.D
Level: (low/n		LOW			Date Received	6/11/2004
% Moisture:	ŕ	ded	anted: (Y/N)	Ν	Date Extracted	l: <u>6/16/2004</u>
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed	6/23/2004
Injection Volu	ıme: <u>2.</u> 0	(uL)			Dilution Factor	: 1.0
GPC Cleanu	p: (Y/N)	N	pH:	-		
Number TICs	s found:	3			ONCENTRATION UN	NITS:

CACAUMPED	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	16.75	6	JN
2.	Unknown	18.58	3	J
-3.	Unknown CnH2n+2	23.88	3	J

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#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	SW-5		
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Lab Name: STL Newburgh			(	Contract:		
Lab Code:	10142	Ca	se No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/w	/ater)	WATER	_		Lab Sample ID:	237194-005
Sample wt/vo	<b>l</b> :	300.0	(g/ml) ML		Lab File ID:	S30188.D
Level: (low/m	ied)	LOW	_		Date Received:	6/11/2004
% Moisture:		de	canted:(Y/N) _	N	Date Extracted:	6/16/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	: (Y/N)	N	pH:	-	Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	33
108-95-2	Phenol		U	33
95-57-8	2-Chlorophenol		U	33
541-73-1	1,3-Dichlorobenzene		U	33
106-46-7	1,4-Dichlorobenzene		U	33
95-50-1	1,2-Dichlorobenzene		U	33
100-51-6	Benzyi alcohol		U	33
108-60-1	2,2'-oxybis(1-Chloropropane)		U	33
95-48-7	2-Methylphenol		U	33
67-72-1	Hexachloroethane .		U	33
621-64-7	N-Nitroso-di-n-propylamine		U	33
106-44-5	4-Methylphenol		U	33
98-95-3	Nitrobenzene		U	33
78-59-1	Isophorone		U	33
88-75-5	2-Nitrophenol		U	33
105-67-9	2,4-Dimethylphenol		U	33
111-91-1	bis(2-Chloroethoxy)methane		U	33
120-83-2	2,4-Dichlorophenol		U	33
120-82-1	1,2,4-Trichlorobenzene		U	33
91-20-3	Naphthalene		U	33
106-47-8	4-Chloroaniline		U	33
87-68-3	Hexachlorobutadiene		U	33
59-50-7	4-Chloro-3-methylphenol		U	33
91-57-6	2-Methylnaphthalene		U	33
77-47-4	Hexachlorocyclopentadiene		U	33
88-06-2	2,4,6-Trichlorophenol		U	33
95-95-4	2,4,5-Trichlorophenol		U	170
91-58-7	2-Chloronaphthalene		U	33
88-74-4	2-Nitroaniline		U	83
208-96-8	Acenaphthylene		U	33
131-11-3	Dimethylphthalate		U	33
606-20-2	2,6-Dinitrotoluene		U	33
83-32-9	Acenaphthene		U	33
99-09-2	3-Nitroaniline		U	83
51-28-5	2,4-Dinitrophenol		U	83
132-64-9	Dibenzofuran		U	33
121-14-2	2,4-Dinitrotoluene		U	33

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3/90 M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Ξ	F	Α	SAMPLE	NO.

Lab Name: ST	L Newburgh		Contract:	SW-5
Lab Code: 10	10142 Case No.:		SAS No.:	_ SDG No.: 237194
Matrix: (soil/wate	er) <u>WATER</u>	_	Lab Sample	ID: <u>237194-005</u>
Sample wt/vol:	300.0	(g/ml) <u>ML</u>	Lab File ID:	S30188.D
Levei: (low/med	) LOW		Date Receive	ed: 6/11/2004
% Moisture:	de	canted:(Y/N)	N Date Extracte	ed: 6/16/2004
Concentrated Ex	tract Volume:	1000 (uL)	Date Analyze	ed: 6/23/2004
Injection Volume	: 2.0 (uL)		Dilution Facto	or: 1.0
GPC Cleanup: (\	//N) N	pH:	Units: (ug/L o	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	83
86-73-7	Fluorene		U	33
7005-72-3	4-Chlorophenyl-phenylether		U	33
84-66-2	Diethylphthalate		U	33
100-01-6	4-Nitroaniline		U	83
534-52-1	4,6-Dinitro-2-methylphenol		U	83
86-30-6	n-Nitrosodiphenylamine (1)		U	33
101-55-3	4-Bromophenyl-phenylether		U	33
118-74-1	Hexachlorobenzene		U	33
87-86-5	Pentachlorophenol		U	83
85-01-8	Phenanthrene		U	33
120-12-7	Anthracene		U	33
84-74-2	Di-n-butylphthalate	12	J₿	33
206-44-0	Fluoranthene		U L	33
129-00-0	Pyrene		U	33
85-68-7	Butylbenzylphthalate	•	U	33
91-94-1	3,3'-Dichlorobenzidine		U	33
56-55-3	Benzo(a)anthracene		U	33
218-01-9	Chrysene		U	33
117-81-7	bis(2-Ethylhexyl)phthalate	7	J₿	33
117-84-0	Di-n-octylphthalate		U	33
205-99-2	Benzo(b)fluoranthene		U	33
207-08-9	Benzo(k)fluoranthene		U	33
50-32-8	Benzo(a)pyrene		U	33
193-39-5	Indeno(1,2,3-cd)pyrene		U	33
62-75-9	n-Nitrosodimethylamine		U	33
53-70-3	Dibenz(a,h)anthracene		U	33
191-24-2	Benzo(g,h,i)perylene		U	33

STL NYSDOH 10142

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3/00 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	N	Ο.
SW-5		

		ILMIA	IACCI IDCIALI	, ,	00111	, 00.100		SW-5		
Lab Name:	STL N	lewburgh			Contract:			011-0		
Lab Code:	10142	Cas	se No.:		SAS	8 No.:	_ s	OG No.:	23719	94
Matrix: (soil/v	water)	WATER	_			Lab Sample	e ID:	237194-	005	
Sample wt/vo	ol:	300.0	(g/ml) ML			Lab File ID:	-	S30188.	D	
Level: (low/n	ned)	LOW	_			Date Receiv	ved:	6/11/200	4	_
% Moisture:		deca	anted: (Y/N)	Ν		Date Extrac	ted:	6/16/200	4	_
Concentrated	d Extract	Volume: 1	000 (uL)			Date Analyz	zed:	6/23/200	4	
Injection Volu	ıme: <u>2</u>	0 (uL)				Dilution Fac	tor:	1.0		
GPC Cleanu	p: (Y/N)	N	oH:							
				C	ONCE	NTRATION	UNIT	S:		
Number TICs	s found:	1	<del>-</del>	(u	g/L or	ug/Kg)	UG/L			
CAS NUMB	ER	COMPOU	ND NAME			RT	EST	r. conc		Q
1. 000084	4-69-5	1,2-Benzen	edicarboxylic a	acid,	bis	16.76		23	3	JN

#### 1B

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EP	A SAMPLE N	10.
L-1	,	

Lab Name:	STL Ne	wburgh		(	Contract:	
Lab Code:	10142	Ca	ase No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	WATER	_		Lab Sample I	D: 237194-006
Sample wt/vo	ol:	930.0	_ (g/ml) ML		Lab File ID:	S30189.D
Level: (low/n	ned)	LOW			Date Receive	d: <u>6/11/2004</u>
% Moisture:		de	canted:(Y/N)	N	Date Extracte	d: 6/16/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyze	d: <u>6/23/2004</u>
Injection Volu	me: <u>2</u> .	.0 (uL)			Dilution Facto	r: <u>1.0</u>
GPC Cleanup	o: (Y/N)	N	pH:	_	Units: (ug/L or	ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL	
111-44-4	bis(2-Chloroethyl)ether		U	11	
108-95-2	Phenol		U	11	
95-57-8	2-Chlorophenol		U	11	
541-73-1	1,3-Dichlorobenzene		U	11	
106-46-7	1,4-Dichlorobenzene		U	11	
95-50-1	1,2-Dichlorobenzene		U	11	
100-51-6	Benzyl alcohol		U	11	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11	
95-48-7	2-Methylphenol		บ	11	
67-72-1	Hexachloroethane		U	11	
621-64-7	N-Nitroso-di-n-propylamine		U	11	
106-44-5	4-Methylphenol		U	11	
98-95-3	Nitrobenzene		U	11	
78-59-1	Isophorone		U	11	
88-75-5	2-Nitrophenol		U	11	
105-67-9	2,4-Dimethylphenol		U	11	
111-91-1	bis(2-Chloroethoxy)methane		U	11	
120-83-2	2,4-Dichlorophenol		U	11	
120-82-1	1,2,4-Trichlorobenzene		U	11	
91-20-3	Naphthalene		U	<u> </u>	
106-47-8	4-Chloroaniline		U	11	
87-68-3	Hexachlorobutadiene		U	11	
59-50-7	4-Chloro-3-methylphenol		U	<u>11</u>	
91-57-6	2-Methylnaphthalene		U	11	
77-47-4	Hexachlorocyclopentadiene		U	11 .	
88-06-2	2,4,6-Trichlorophenol		U	11	
95-95-4	2,4,5-Trichlorophenol		U	54	
91-58-7	2-Chloronaphthalene		U	11	
88-74-4	2-Nitroaniline		U	27	
208-96-8	Acenaphthylene		U	11	
131-11-3	Dimethylphthalate		U	11	
606-20-2	2,6-Dinitrotoluene		U	11	
83-32-9	Acenaphthene		U	11	
99-09-2	3-Nitroaniline		U	27	
51-28-5	2,4-Dinitrophenol		U	27	
132-64-9	Dibenzofuran		U	11	
121-14-2	2,4-Dinitrotoluene		U	11	

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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

L-1	
	_

Lab Name:	STL Nev	vburgh			_ c	Contract:	
Lab Code:	10142	C	se No.:			SAS No.: 5	SDG No.: 237194
Matrix: (soil/w	<i>r</i> ater)	WATER				Lab Sample ID:	237194-006
Sample wt/vo	ıl:	930.0	_ (g/ml)	ML		Lab File ID:	S30189.D
Level: (low/m	ned)	LOW				Date Received:	6/11/2004
% Moisture:		de	canted:(Y	/N)	N	_ Date Extracted:	6/16/2004
Concentrated	Extract \	/olume:	1000	(uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2.	0 (uL)				Dilution Factor:	1.0
GPC Cleanup	); (Y/N)	N	pH:			Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	27
86-73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	. 11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U	27
534-52-1	4,6-Dinitro-2-methylphenol		U	27
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	11
87-86-5	Pentachlorophenol		U	27
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U,	11
84-74-2	Di-n-butylphthalate	4	JØ	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11 .
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U,	11
117-81-7	bis(2-Ethylhexyl)phthalate	4	J <u>B</u> S	11
117-84-0	Di-n-octylphthalate		Ú	11
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	11
50-32-8	Benzo(a)pyrene		U	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
62-75-9	n-Nitrosodimethylamine		U	11
53-70-3	Dibenz(a,h)anthracene		U	11
191-24-2	Benzo(g,h,i)perylene		U	11

3/90 M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
L-1

Lab Name:	STL Ne	wburgh			Contract:	
Lab Code:	10142	Ca	se No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/w	/ater)	WATER	-		Lab Sample ID:	237194-006
Sample wt/vo	l:	930.0	(g/ml) ML		Lab File ID:	S30189.D
Level: (low/m	ned)	LOW	_		Date Received:	6/11/2004
% Moisture:		dec	anted: (Y/N)	N	Date Extracted:	6/16/2004
Concentrated	Extract \	Volume: 1	000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2.0	(uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH:			

### **CONCENTRATION UNITS:**

Number TICs found:	8	(ug/L or ug/Kg)	UG/L
110111201 1100 100110		, , ,	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-69-5	1,2-Benzenedicarboxylic acid, bis	16.76	6	JN
2. 036653-82-4	1-Hexadecanol	18.59	23	JN
3.	Unknown CnH2n+2	20.11	5	J
4.	Unknown CnH2n+2	20.80	6	J
5.	Unknown	20.85	2	J
6.	Unknown CnH2n+2	21.47	5	J
7.	Unknown CnH2n+2	22.10	2	J
8.	Unknown CnH2n+2	23.88	3	J

#### 1B

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

E	PA SAMPLE NO.
S	S-1

Lab Name:	STL Nev	wburgh		c	ontract:		
Lab Code:	10142	Ca	se No.:		SAS No.:	SDG No.	.: <u>237194</u>
Matrix: (soil/v	vater)	SOIL	_		Lab Sample II	D: <u>23719</u>	4-007
Sample wt/vo	ol:	30.4	(g/ml) G		Lab File ID:	E7218	5.D
Level: (low/m	ned)	LOW			Date Received	d: <u>6/11/2</u>	004
% Moisture:	38	de	canted:(Y/N) _	N	_ Date Extracted	i: 6/23/2	004
Concentrated	Extract	√olume:	1000 (uL)		Date Analyzed	: 6/24/2	004
Injection Volu	me: 2.	0 (uL)			Dilution Factor	: 1.0	
GPC Cleanup	o: (Y/N)	N	pH: <u>6.69</u>		Units: (ug/L or	ug/Kg) <u>L</u>	JG/KG

COMPOUND	RESULT	Q	RL
bis(2-Chloroethyl)ether		Ú	530
Phenol			530
2-Chlorophenol			530
1,3-Dichlorobenzene			530
1,4-Dichlorobenzene			530
1,2-Dichlorobenzene			530
Benzyl alcohol			530
2,2'-oxybis(1-Chloropropane)			530
			530
			530
			530
			530
Nitrobenzene			530
isophorone			530
		U	530
		U	530
			530
			530
			530
		U	530
		U	530
		U	530
			530
			530
			530
			530
		U	1300
		U	530
		U	1300
		U	530
		U	530
		U	530
		U	530
		U	1300
		U	1300
	<del>                                     </del>	U	530
		U	530
	bis(2-Chloroethyl)ether Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol 2,2'-oxybis(1-Chloropropane) 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 4-Methylphenol	bis(2-Chloroethyl)ether Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol 2,2'-oxybis(1-Chloropropane) 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 4-Methylphenol Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol bis(2-Chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorobutadiene 4-Chloro-methylphenol 2-Methylphenol 2-Methylphenol 2,4-Directhoxylmethane 2,4-Directhoxylmethane 2,4-Directhoxylmethane 4-Chloroaniline Hexachlorobutadiene 4-Chloro-methylphenol 2-Methylnaphthalene Hexachlorocyclopentadiene 2,4,6-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline Acenaphthylene Dimethylphthalate 2,6-Dinitrotoluene Acenaphthene 3-Nitroaniline 3-Nitroaniline 3-Nitroaniline	bis(2-Chloroethyl)ether

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3/90 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1	, ,		
	SS-1		

EPA SAMPLE NO.

Lab Name:	STL Nev	wburgh	<u> </u>	Contr	act:	
Lab Code:	10142	<u> </u>	ase No.:	SA	S No.: S	DG No.: 237194
Matrix: (soil/w	/ater)	SOIL	· 		Lab Sample ID:	237194-007
Sample wt/vo	ıl:	30.4	(g/ml) <u>G</u>	- <del></del>	Lab Flle ID:	E72185.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	38	de	ecanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu			***************************************		Dilution Factor:	1.0
GPC Cleanup		N	pH: <u>6.69</u>	•	Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1300
86-73-7	Fluorene		U	530
7005-72-3	4-Chlorophenyi-phenylether		U	530
84-66-2	Diethylphthalate		U	530
100-01-6	4-Nitroaniline		U	1300
534-52-1	4,6-Dinitro-2-methylphenol		U	1300
86-30-6	n-Nitrosodiphenylamine (1)		U	530
101-55-3	4-Bromophenyl-phenylether		U	530
118-74-1	Hexachlorobenzene		U	530
87-86-5	Pentachlorophenol		U	1300
85-01-8	Phenanthrene	730		530
120-12-7	Anthracene	150	J	530
84-74-2	Di-n-butylphthalate		U	530
206-44-0	Fluoranthene	1600		530
129-00-0	Pyrene	1700		530
85-68-7	Butylbenzylphthalate		U	530
91-94-1	3,3'-Dichlorobenzidine		U	530
56-55-3	Benzo(a)anthracene	810		530
218-01-9	Chrysene	950		530
117-81-7	bis(2-Ethylhexyl)phthalate	150	J	530
117-84-0	Di-n-octylphthalate		U	530
205-99-2	Benzo(b)fluoranthene	1200		530
207-08-9	Benzo(k)fluoranthene	500	J	530
50-32-8	Benzo(a)pyrene	810		530
193-39-5	Indeno(1,2,3-cd)pyrene	350	J	530
62-75-9	n-Nitrosodimethylamine		U	530
53-70-3	Dibenz(a,h)anthracene	120	J	530
191-24-2	Benzo(g,h,i)perylene	330	J	530

SEVERN STL NYSDOH 10142

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3/00 M-NY049

PA 68-378

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SS-1	

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh	_ Contra	ct:		···
Lab Code:	10142	Case No.:	_ SAS	No.:	_ SDG No.: <u>237</u>	194
Matrix: (soil/v	vater)	SOIL		Lab Sample	ID: <u>237194-007</u>	
Sample wt/vo	ol:	30.4 (g/ml) G		Lab File ID:	E72185.D	
Level: (low/n	ned)	LOW		Date Receive	ed: <u>6/11/2004</u>	
% Moisture:	38	decanted: (Y/N)	N	Date Extract	ed: 6/23/2004	
Concentrated	Extract	Volume: 1000 (uL)		Date Analyze	ed: 6/24/2004	
Injection Volu	ıme: <u>2.</u>	0 (uL)		Dilution Fact	or: 1.0	
GPC Cleanu	p: (Y/N)	N pH: <u>6.69</u>				
			CONCE	NTRATION (	JNITS:	
Number TICs	found:	2	(ug/L or	ug/Kg) L	JG/KG	<del></del>
CAS NUME	BER	COMPOUND NAME		RT	EST. CONC.	Q

2-Pentanone, 4-hydroxy-4-methyl

Pentadecane

5.28

20.60

30000

JN

000123-42-2

000629-62-9

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-2	"

Lab Name:	STL Nev	wburgh			Contract:	
Lab Code:	10142	Cas	e No.:		SAS No.:	SDG No.: <u>237194</u>
Matrix: (soil/v	water)	SOIL			Lab Sample II	D: <u>237194-008</u>
Sample wt/vo	oi:	30.67	(g/ml) <u>G</u>		Lab File ID:	E72186.D
Level: (low/n	ned)	LOW			Date Received	d: <u>6/11/2004</u>
% Moisture:	25.5	deca	anted:(Y/N)	N	Date Extracted	d: <u>6/23/2004</u>
Concentrated	Extract \	 /olume: <u>1</u> !	000 (uL)		Date Analyzed	i: 6/24/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Factor	r: <u>1.0</u>
GPC Cleanur	o: (Y/N)	N	pH: 6.82		Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	440
108-95-2	Phenol		U	440
95-57-8	2-Chlorophenol		υ	440
541-73-1	1,3-Dichlorobenzene		U	440
106-46-7	1,4-Dichlorobenzene		U	440
95-50-1	1,2-Dichlorobenzene		U	440
100-51-6	Benzyl alcohol		U	440
108-60-1	2,2'-oxybis(1-Chloropropane)		U	440
95-48-7	2-Methylphenol		U	440
67-72-1	Hexachloroethane		U	440
621-64-7	N-Nitroso-di-n-propylamine		U	440
106-44-5	4-Methylphenol		ט	440
98-95-3	Nitrobenzene		U	440
78-59 <b>-</b> 1	Isophorone		U	440
88-75-5	2-Nitrophenol		U	440
105-67-9	2,4-Dimethylphenol		U	440
111-91-1	bis(2-Chloroethoxy)methane		U	440
120-83-2	2,4-Dichlorophenol		U	440
120-83-2	1,2,4-Trichlorobenzene		U	440
91-20-3	Naphthalene		U	440
106-47-8	4-Chloroaniline		U	440
87-68-3	Hexachlorobutadiene		U	440
59-50-7	4-Chloro-3-methylphenol		U	440
91-57-6	2-Methylnaphthalene		U	440
77-47-4	Hexachlorocyclopentadiene		UR	440
88-06-2	2,4,6-Trichlorophenol		U	440
95-95-4	2.4.5-Trichlorophenol		U	1100
91-58-7	2-Chloronaphthalene		U	440
	2-Nitroaniline		U	1100
88-74-4	Acenaphthylene		U	440
208-96-8	Dimethylphthalate		U	440
131-11-3	2.6-Dinitrotoluene		U	440
606-20-2	Acenaphthene		U	440
83-32-9	3-Nitroaniline	<u> </u>	Ū	1100
99-09-2	2,4-Dinitrophenol		Ü	1100
51-28-5			Ü	440
132-64-9	Dibenzofuran  2,4-Dinitrotoluene		U	440
121-14-2	1 2.4-iJinitrotoluene	1		

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STL Newburgh 315 Fullerlon Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (846) 562-0841

3/90 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-2		

EPA SAMPLE NO.

Lab Name: S	TL Newburgh		Contra	act:	
Lab Code: 1	0142	Case No.:	SA	S No.: S	DG No.: 237194
Matrix: (soil/wa	ter) SOIL	<u>_</u>		Lab Sample ID:	237194-008
Sample wt/vol:	30.67	(g/ml) G		Lab File ID:	E72186.D
Level: (low/me	d) LOW			Date Received:	6/11/2004
% Moisture:		decanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated E	xtract Volume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volum				Dilution Factor:	1.0
GPC Cleanup:	<del></del> .	pH: <u>6.82</u>		Units: (ug/L or ug	g/Kg) <u>UG/KG</u>

COMPOUND	RESULT	Q	RL	
4-Nitrophenol		U	1100	
		U	440	
		U	440	
		U	440	
		U	1100	
		U	1100	
			440	
			440	
			440	
		U	1100	
	180	J	440	
			440	
		U	440	
	300	J	440	
	300	J	440	
		U	440	
		U	440	
	140	J	440	
	160	J	440	
	71	J	440	
		U	440	
	200	J	440	
	72	J	440	
	130	J	440	
	57	J	440	
		U	440	
		U	440	
	52	J	440	
	4-Nitrophenol Fluorene 4-Chlorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamine (1) 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Pyrene Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene n-Nitrosodimethylamine Dibenz(a,h)anthracene Benzo(g,h,i)perylene	4-Nitrophenol Fluorene 4-Chlorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamine (1) 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fiuoranthene 300 Pyrene 300 Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene 140 Chrysene bis(2-Ethylhexyl)phthalate 3n-octylphthalate Benzo(b)fluoranthene 200 Benzo(k)fluoranthene 200 Benzo(k)fluoranthene 72 Benzo(a)pyrene 130 Indeno(1,2,3-cd)pyrene 57 n-Nitrosodimethylamine Dibenz(a,h)anthracene	4-Nitrophenol U Fluorene U 4-Chlorophenyl-phenylether U Diethylphthalate U 4-Nitroaniline U 4,6-Dinitro-2-methylphenol U n-Nitrosodiphenylamine (1) U 4-Bromophenyl-phenylether U Hexachlorobenzene U Pentachlorophenol U Phenanthrene 180 J Anthracene U Di-n-butylphthalate U Fluoranthene 300 J Pyrene 300 J Butylbenzylphthalate U 3,3'-Dichlorobenzidine U Benzo(a)anthracene 160 J Chrysene 160 J Di-n-octylphthalate 71 J Di-n-octylphthalate 71 J Di-n-octylphthalate 71 J Di-n-octylphthalate 72 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Indeno(1,2,3-cd)pyrene 57 J n-Nitrosodimethylamine U Dibenz(a,h)anthracene	



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3/<u>90</u> M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SS-2		

EPA SAMPLE NO.

				88-2	
Lab Name: STL N	ewburgh	Contrac	ot:		
Lab Code: 10142	Case No.:	SAS	No.:	_ SDG No.: <u>237</u>	194
Matrix: (soll/water)	SOIL		Lab Sample	ID: <u>237194-008</u>	
Sample wt/vol:	30.67 (g/ml) G		Lab File ID:	E72186.D	
Level: (low/med)	LOW	İ	Date Receive	ed: 6/11/2004	
•	5 decanted: (Y/N)	N	Date Extract	ed: 6/23/2004	
Concentrated Extrac		Date Analyze	ed: 6/24/2004		
Injection Volume: 2	-	!	Dilution Facto	or: 1.0	
GPC Cleanup: (Y/N)	<del></del>	•			
		CONCE	NTRATION (	JNITS:	
Number TICs found:	1	(ug/L or	ug/Kg) <u>l</u>	JG/KG	
CAS NUMBER	COMPOUND NAME		RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4	l-methyl	5.37	44000	JN

#### 1B

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Nev	vburgh			Contract:	
Lab Code:	10142	Ca	se No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	·-		Lab Sample ID	): <u>237194-009</u>
Sample wt/vo	ol:	30.06	(g/ml) G		Lab File ID:	E72187.D
Level: (low/n	ned)	LOW	_		Date Received	: 6/11/2004
% Moisture:	29.8	ded	canted:(Y/N	) <u>N</u>	Date Extracted	: <u>6/23/2004</u>
Concentrated	Extract \	 /olume: '	1000(uL	)	Date Analyzed	6/24/2004
Injection Volu	ıme: 2.	_ 0 (uL)			Dilution Factor	: 1.0
GPC Cleanup: (Y/N) N pH: 6.83			<u> </u>	Units: (ug/L or	ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		Ų	470
108-95-2	Phenol		U	470
95-57-8	2-Chlorophenol		U	470
541-73-1	1,3-Dichlorobenzene		U	470
106-46-7	1,4-Dichlorobenzene		U	470
95-50-1	1,2-Dichlorobenzene		Ų .	470
100-51-6	Benzyl alcohol		U	470
108-60-1	2,2'-oxybis(1-Chloropropane)		U	470
95-48-7	2-Methylphenol		U	470
67-72-1	Hexachloroethane		U	470
621-64-7	N-Nitroso-di-n-propylamine		U	470
106-44-5	4-Methylphenol		U	470
98-95-3	Nitrobenzene		U	470
78-59-1	Isophorone		U	470
88-75-5	2-Nitrophenol		U	470
105-67-9	2,4-Dimethylphenol		U	470
111-91-1	bis(2-Chloroethoxy)methane		U _	470
120-83-2	2,4-Dichlorophenol		U	470
120-82-1	1,2,4-Trichlorobenzene		U	470
91-20-3	Naphthalene		U	470
106-47-8	4-Chioroaniline		U	470
87-68-3	Hexachlorobutadiene		<u> </u>	470
59-50-7	4-Chloro-3-methylphenol		U	470
91-57-6	2-Methylnaphthalene		U	470
77-47-4	Hexachlorocyclopentadiene		UR	470
88-06-2	2,4,6-Trichlorophenol		U	470
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U _	470
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	470
131-11-3	Dimethylphthalate		U	470
606-20-2	2.6-Dinitrotoluene		U	470
83-32-9	Acenaphthene		U	470
99-09-2	3-Nitroaniline		U	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran		U	470
121-14-2	2,4-Dinitrotoluene		U	470

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EPA NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMP	LE NO.
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SS-3		

Lab Name:	STL Nev	vburgh	· · · · · · · · · · · · · · · · · · ·	Cont	ract:	
Lab Code:	10142		Case No.:	SA	\S.No.:	SDG No.: 237194
Matrix: (soil/w	vater)	SOIL			Lab Sample ID	237194-009
Sample wt/vo	ol:	30.06	(g/ml) G		Lab File ID:	E72187.D
Level: (low/med) LOW		LOW			Date Received:	6/11/2004
% Moisture:	29.8	d	lecanted:(Y/N)	N_	Date Extracted	6/23/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volume: 2.0 (uL)				Dilution Factor:	1.0	
GPC Cleanup: (Y/N) N pH: 6.83				Units: (ug/L or t	ıg/Kg) <u>UG/KG</u>	

COMPOUND	RESULT	Q	RL
4-Nitrophenol		U	1200
Fluorene			470
4-Chiorophenyl-phenylether			470
			470
			1200
			1200
			470
			470
			470
		U	1200
	100	J	470
		U	470
		U	470
	180	J	470
	170	J	470
		U	470
		U	470
	71	J	470
	110	J	470
	95	J _	470
		U	470
	130	J	470
	54	J	470
· · · · · · · · · · · · · · · · · · ·	82	J	470
		U	470
	4-Nitrophenoi	4-Nitrophenol Fluorene 4-Chiorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamine (1) 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Di-n-butylphthalate Fluoranthene Di-n-butylphthalate Fluoranthene 180 Pyrene 170 Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Thysene Di-n-octylphthalate Di-n-octylphthalate Benzo(b)fluoranthene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene 130 Benzo(a)pyrene	4-Nitrophenol U Fluorene U 4-Chiorophenyl-phenylether U Diethylphthalate U 4-Nitroaniline U 4,6-Dinitro-2-methylphenol U n-Nitrosodiphenylamine (1) U 4-Bromophenyl-phenylether U Hexachlorobenzene U Pentachlorophenol U Phenanthrene 100 J Anthracene U Di-n-butylphthalate U Fluoranthene 180 J Pyrene 170 J Butylbenzylphthalate U 3,3'-Dichlorobenzidine U Benzo(a)anthracene 110 J Chrysene 110 J Bis(2-Ethylhexyl)phthalate 95 J Di-n-octylphthalate 95 J Bienzo(b)fluoranthene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J Benzo(a)pyrene 130 J



# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

				_	
1		-			_
1	SS-3				
	33-3				
	Į.				

30000

1200

5.31

24.37

JN

EPA SAMPLE NO.

Lab Name:	STL Ne	whurah	Contrac	ot:		
Lab Code:	10142	Case No.:	SAS		SDG No.: 237	194
Matrix: (soil/		SOIL	<del></del>	Lab Sample	ID: <u>237194-009</u>	
Sample wt/vo	-	30.06 (g/ml) G		Lab File ID:	E72187.D	<del>.</del>
Level: (low/med) LOW				Date Receive	ed: 6/11/2004	_ <del></del>
% Moisture: 29.8 decanted: (Y/N)			N_	Date Extracte	ed: 6/23/2004 ·	<u></u>
Concentrated	Extract	 Volume: 1000 (uL)	Date Analyzed:		d: 6/24/2004	·
Injection Volu			[	Dilution Facto	or: 1.0	
GPC Cleanu	p: (Y/N)	N pH: 6.83				
			CONCE	NTRATION L	JNITS:	
Number TICs	s found:	2 .	(ug/L or	ug/Kg) <u>L</u>	JG/KG	·
CAS NUME	BER	COMPOUND NAME	•	RT	EST. CONC.	Q

2-Pentanone, 4-hydroxy-4-methyl

Unknown CnH2n+2

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-4

Lab Name:	STL New	/burgh				Contract:		_	
Lab Code:	10142	Ca	se No	.:		SAS No.:	s	DG No.:	237194
Matrix: (soil/v	vater)	SOIL	_			Lab Sam	ple ID:	237194-	010
Sample wt/vo	ol:	30.83	(g/m	il) <u>G</u>		Lab File i	D:	E72201.	D
Level: (low/n	ned)	LOW	_			Date Red	eived:	6/11/200	)4
% Moisture:	61.4	ded	canted	I:(Y/N) _	N	Date Ext	racted:	6/23/200	04
Concentrated	Extract V	 /olume: 1	1000	(uL)		Date Ana	alyzed:	6/25/200	)4
Injection Volu				<del></del>		Dilution F	actor:	1.0	
GPC Cleanup		N	pH:	6.52	_	Units: (ug	g/L or ug	g/Kg) <u>UC</u>	B/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		Ų	840
108-95-2	Phenol		U	840
95-57-8	2-Chlorophenol		Ū	840
541-73-1	1.3-Dichlorobenzene		U	840
106-46-7	1.4-Dichlorobenzene		U	840
95-50-1	1.2-Dichlorobenzene		U	840
100-51-6	Benzyl alcohol		U	840
108-60-1	2,2'-oxybis(1-Chloropropane)		U	840
95-48-7	2-Methylphenol		U	840
67-72-1	Hexachloroethane		U	840
621-64-7	N-Nitroso-di-n-propylamine		U	840
106-44-5	4-Methylphenol	85	J	840
98-95-3	Nitrobenzene		U	840
78-59-1	Isophorone		U	840
88-75-5	2-Nitrophenol		U	840
105-67-9	2,4-Dimethylphenol		U	840
111-91-1	bis(2-Chloroethoxy)methane		U	840
120-83-2	2.4-Dichlorophenol		U	840
120-82-1	1,2,4-Trichlorobenzene		U	840
91-20-3	Naphthalene	100	J	840
106-47-8	4-Chloroaniline		U	840
87-68-3	Hexachlorobutadiene		U	840
59-50-7	4-Chloro-3-methylphenol		U	840
91-57-6	2-Methylnaphthalene	150	J	840
77-47-4	Hexachlorocyclopentadiene		UR	840
88-06-2	2,4,6-Trichlorophenol		U	840
95-95-4	2,4,5-Trichlorophenol		U	2100
91-58-7	2-Chloronaphthalene		U	840
88-74-4	2-Nitroaniline		U	2100
208-96-8	Acenaphthylene		U	840
131-11-3	Dimethylphthalate		U	840
606-20-2	2,6-Dinitrotoluene		U	840
83-32-9	Acenaphthene		U	840
99-09-2	3-Nitroaniline		U	2100
51-28-5	2,4-Dinitrophenol		U _	2100
132-64-9	Dibenzofuran		<u> </u>	840
121-14-2	2,4-Dinitrotoluene		U	840

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3/00 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS-4

Lab Name:	STL Nev	vburgh	***************************************	(	Contract:	
Lab Code:	10142	<del></del>	Case No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/w	vater)	SOIL			Lab Sample ID:	237194-010
Sample wt/vo	ol:	30.83	(g/ml) <u>G</u>		Lab File ID:	E72201.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	61.4		decanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract \	.— √olume:	1000(uL)		Date Analyzed:	6/25/2004
Injection Volu	me: 2.	0 (uL	)		Dilution Factor:	1:0
GPC Cleanup		N	pH: <u>6.52</u>	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol	***	U	2100
86-73-7	Fluorene		U	840
7005-72-3	4-Chlorophenyl-phenylether		U	840
84-66-2	Diethylphthalate		U	840
100-01-6	4-Nitroaniline		U	2100
534-52-1	4,6-Dinitro-2-methylphenol		υ	2100
86-30-6	n-Nitrosodiphenylamine (1)		U	840
101-55-3	4-Bromophenyl-phenylether		IJ	840
118-74-1	Hexachlorobenzene		IJ	840
87-86-5	Pentachiorophenol		U	2100
85-01-8	Phenanthrene	950		840
120-12-7	Anthracene	170	J	840
84-74-2	Di-n-butylphthalate		U	840
206-44-0	Fluoranthene	1900		840
129-00-0	Pyrene	3800	3	840
85-68-7	Butylbenzylphthalate	120	12	840
91-94-1	3,3'-Dichlorobenzidine		U 3	840
56-55-3	Benzo(a)anthracene	1200		840
218-01-9	Chrysene	1600	7 2	840
117-81-7	bis(2-Ethylhexyl)phthalate	420	17	840
117-84-0	Di-n-octylphthalate		U 3	840
205-99-2	Benzo(b)fluoranthene	2900	<u> </u>	840
207-08-9	Benzo(k)fluoranthene	1200	5	840
50-32-8	Benzo(a)pyrene	1700		840
193-39-5	Indeno(1,2,3-cd)pyrene	1000		840
62-75-9	n-Nitrosodimethylamine		O 2	840
53-70-3	Dibenz(a,h)anthracene	310	<u>7,7</u>	840
191-24-2	Benzo(g,h,i)perylene	950	J_	840



3/90 M-HY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	 	-
1		
SS-4		
100-		

EPA SAMPLE NO.

•	, ==			ISS-4		
Lab Name: STL	Newburgh	rgh Contract:				
Lab Code: 1014	2 Case No.:	SAS	6 No.:	SDG No.: 237	194	
Matrix: (soil/water)	SOIL		Lab Sample	ID: <u>237194-010</u>		
Sample wt/vol:	30.83 (g/ml) G		Lab File ID:	E72201.D		
Level: (low/med)	LOW		Date Receiv	red: 6/11/2004		
% Moisture: 6	1.4 decanted: (Y/N)	N_	Date Extract	ted: 6/23/2004	<del></del>	
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 6/25/2004						
Injection Volume:	2.0 (uL)		Dilution Fact	tor: <u>1.0</u>		
GPC Cleanup: (Y/N	l) <u>N</u> pH: <u>6.52</u>					
		CONC	ENTRATION	UNITS:		
Number TICs found	d: <u> </u>	(ug/L o	rug/Kg)	UG/KG		
CAS NUMBER	COMPOUND NAME		RT	EST. CONC.	Q	
1. 000123-42-2	2-Pentanone, 4-hydroxy-	4-methyl	5.29	54000	JN	

NJDEP 73015

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-4RE	

Lab Name:	STL Ne	wburgh	····	Co	ntract:	
Lab Code:	10142	Ca	se No.:		SAS No.:	SDG No.: <u>237194</u>
Matrix: (soil/v	water)	SOIL			Lab Sample	ID: 237194-010RE
Sample wt/vo	ol:	30.83	(g/ml) G		Lab File ID:	E72232.D
Level: (low/n	ned)	LOW	<u>-</u>		Date Receiv	/ed: 6/11/2004
% Moisture:	61.4	dec	- canted:(Y/N)	N_	Date Extrac	ted: 6/23/2004
Concentrated	Extract	— Volume: 1	1000 (uL)		Dáte Analyz	ed: 6/29/2004
Injection Volu	ıme: 2	.0 (uL)	<del></del>		Dilution Fac	tor: 1.0
GPC Cleanu	_	N	pH: <u>6.52</u>	_	Units: (ug/L	or ug/Kg) UG/KG

CAS NO. COMPOUND		RESULT	Q	RL	
111-44-4	bis(2-Chloroethyl)ether		U	840	
108-95-2	Phenol		U	840	
95-57-8	2-Chlorophenol		U	840	
541-73-1	1,3-Dichlorobenzene		U	840	
106-46-7	1,4-Dichlorobenzene		U	840	
95-50-1	1,2-Dichlorobenzene		U	840	
100-51-6	Benzyl alcohol		U	840	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	840	
95-48-7	2-Methylphenol		U	840	
67-72-1	Hexachloroethane		U	840	
621-64-7	N-Nitroso-di-n-propylamine		U	840	
106-44-5	4-Methylphenol	95	J	840	
98-95-3	Nitrobenzene		U	840	
78-59-1	Isophorone		U	840	
88-75-5	2-Nitrophenol		U	. 840	
105-67-9	2,4-Dimethylphenol		U	840	
111-91-1	bis(2-Chloroethoxy)methane		U	840	
120-83-2	2,4-Dichlorophenol		U	840	
120-82-1	1,2,4-Trichlorobenzene		U	840	
91-20-3	Naphthalene	100	J	840	
106-47-8	4-Chloroaniline		U	840	
87-68-3	Hexachlorobutadiene		U	840	
59-50-7	4-Chloro-3-methylphenol		U	840	
91-57-6	2-Methylnaphthalene	150	J	840	
77-47-4	Hexachlorocyclopentadiene		U	840	
88-06-2	2,4,6-Trichlorophenol		U	840	
95-95-4	2,4,5-Trichlorophenol		U	2100	
91-58-7	2-Chloronaphthalene	<u> </u>	U	840	
88-74-4	2-Nitroaniline	,	U	2100	
208-96-8	Acenaphthylene		U	840	
131-11-3	Dimethylphthalate		U	840	
606-20-2	2,6-Dinitrotoluene		U	840	
83-32-9	Acenaphthene		U	840	
99-09-2	3-Nitroaniline		U	2100	
51 <b>-</b> 28-5	2,4-Dinitrophenol.		U	2100	
132-64-9	Dibenzofuran		U	840	
121-14-2	2,4-Dinitrotoluene		U	840	

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3/00 M-NY049

#### 10

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAME	LE	NO.
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SS-4RE	

Lab Name:	STL Nev	vburgh			_ c	ontract:	_
Lab Code:	10142	c	case No.: _			SAS No.: S	DG No.: <u>237194</u>
Matrix: (soil/w	/ater)	SOIL				Lab Sample ID:	237194-010RE
Sample wt/vo	ıl:	30.83	(g/ml)	<u>G</u> _		Lab File ID:	E72232.D
Level: (low/m	ned)	LOW				Date Received:	6/11/2004
% Moisture:	61.4	d	ecanted:(Y	/N)	N	_ Date Extracted:	6/23/2004
Concentrated	Extract \	√olume:	1000 (	uL)		Date Analyzed:	6/29/2004
Injection Volu	me: 2.	0(uL)				Dilution Factor:	1.0
GPC Cleanup	: (Y/N)	N	рН; <u>6.5</u>	52		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO. COMPOUND		RESULT	Q	RL
100-02-7	4-Nitrophenol		U	2100
86-73-7	Fluorene		U	840
7005-72-3	4-Chlorophenyl-phenylether		U	840
84-66-2	Diethylphthalate		บ	840
100-01-6	4-Nitroaniline		U	2100
534-52-1	4,6-Dinitro-2-methylphenol		U	2100
86-30-6	n-Nitrosodiphenylamine (1)		U	840
101-55-3	4-Bromophenyi-phenylether		Ų	840
118-74-1	Hexachlorobenzene		U	840
87-86-5	Pentachiorophenol		U	2100
85-01-8	Phenanthrene	950		840
120-12-7	Anthracene	160	J	840
84-74-2	Di-n-butylphthalate		U	840
206-44-0	Fluoranthene	1600		840
129-00-0	Pyrene	4300	J	840
85-68-7	Butylbenzylphthalate	160	J 🔭	840
91-94-1	3,3'-Dichiorobenzidine		U T	840
56-55-3	Benzo(a)anthracene	1200	3	840
218-01-9	Chrysene	1600	1	840
117-81-7	bis(2-Ethylhexyl)phthalate	450	13	840
117-84-0	Di-n-octylphthalate		n 2	840
205-99-2	Benzo(b)fluoranthene	3000	J	840
207-08-9	Benzo(k)fluoranthene	1100	1	840
50-32-8	Benzo(a)pyrene	1700		840
193-39-5	Indeno(1,2,3-cd)pyrene	940	0.2	840
62-75-9	n-Nitrosodimethylamine		UI	840
53-70-3	Dibenz(a,h)anthracene	400	12	840
191-24-2	Benzo(g,h,i)perylene	910		840

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.

Lab Name:	STL Ne	whurah	(	Contract:	SS-4RE
LaD Name.	OIL NE	what Att	`	Jointoor.	
Lab Code:	10142	Case No.:		SAS No.: SI	DG No.: 237194
Matrix: (soil/v	water)	SOIL		Lab Sample ID:	237194-010RE
Sample wt/vo	ol:	30.83 (g/ml) G		Lab File ID:	E72232.D
Level: (low/n	ned)	LOW		Date Received:	6/11/2004
% Moisture:	61.4	decanted: (Y/N)	N	Date Extracted:	6/23/2004
Concentrated	d Extract \	Volume: 1000 (uL)		Date Analyzed:	6/29/2004
injection Volu	ıme: <u>2.0</u>	(uL)		Dilution Factor:	1.0
GPC Cleanu	o: (Y/N)	N pH: 6.52			
			C	ONCENTRATION UNIT	-s:
Number TICs	found: .	1	(u	g/L or ug/Kg) <u>UG/</u>	(G
CAS NUMB	ER	COMPOUND NAME	<del></del>	RT ES	T. CONC. Q

5.27

53000

2-Pentanone, 4-hydroxy-4-methyl

000123-42-2

3/90.

M-NY049

#### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAM	PLE	NO
<del></del>		

	2E	MIVOLATIL	E UNGANICO	HINAL	. 130 DATA OFFEE	SS-5
Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142	Cas	se No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/w	/ater)	SOIL	-		Lab Sample ID:	237194-011
Sample wt/vo	ı:	30.4	(g/ml) G		Lab File ID:	E72188.D
Level: (low/m	ned)	LOW	_		Date Received:	6/11/2004
% Moisture:	19.6	dec	anted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract '	Volume: 1	000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: 2.	.0 (uL)			Dilution Factor:	1.0
GPC Cleanup	: (Y/N)	N	pH: <u>6.87</u>	_	Units: (ug/L or u	ig/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	410
108-95-2	Phenol		U	410
95-57-8	2-Chiorophenol		U	410
541-73-1	1,3-Dichlorobenzene		U	410
106-46-7	1,4-Dichlorobenzene		U	410
95-50-1	1,2-Dichlorobenzene		U	410
100-51-6	Benzyl alcohol		U	410
108-60-1	2,2'-oxybis(1-Chloropropane)		۲	410
95-48-7	2-Methylphenol		U	410
67-72-1	Hexachloroethane		Ü	410
621-64-7	N-Nitroso-di-n-propylamine		U	410
106-44-5	4-Methylphenol		U	410
98-95-3	Nitrobenzene		Ų	410
78-59-1	Isophorone		U	410
88-75-5	2-Nitrophenol		U	410
105-67-9	2,4-Dimethylphenol		U	410
111-91-1	bis(2-Chloroethoxy)methane		U	410
120-83-2	2,4-Dichlorophenol		U	410
120-82-1	1,2,4-Trichlorobenzene		U	410
91-20-3	Naphthalene	130	J	410
106-47-8	4-Chioroaniline		U	410
87-68-3	Hexachlorobutadiene		U	410
59-50-7	4-Chloro-3-methylphenol		U	410
91-57-6	2-Methylnaphthalene	160	J	410
77-47-4	Hexachlorocyclopentadiene		UR	410
88-06-2	2,4,6-Trichlorophenol		<u>U</u>	410
95-95-4	2,4,5-Trichlorophenol		U	1000
91-58-7	2-Chloronaphthalene		U	410
88-74-4	2-Nitroaniline		U	1000
208-96-8	Acenaphthylene	46	J	410
131-11-3	Dimethylphthalate		U	410
606-20-2	2,6-Dinitrotoluene		U	410
83-32-9	Acenaphthene	46	J	410
99-09-2	3-Nitroaniline		<u> </u>	1000
51-28-5	2,4-Dinitrophenol		U	1000
132-64-9	Dibenzofuran	84	J	410
121-14-2	2.4-Dinitrotoluene		U	410

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.
SAMPLE NO

Lab Name:	STL Ne	wburgh	Contract:	55-5
Lab Code:	10142 Case No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/	water)	SOIL	Lab Sample	ID: 237194-011
Sample wt/vo	ol:	30.4 (g/ml) G	Lab File ID:	E72188.D
Level: (low/r	ned)	LOW	Date Receive	ed: 6/11/2004
% Moisture:	19.6	decanted:(Y/N)	N Date Extract	ed: 6/23/2004
Concentrated	d Extract	 Volume: 1000 (uL)	Date Analyze	ed: 6/24/2004
Injection Volu	ıme: 2.	0 (uL)	Dilution Fact	or: 1.0

Units: (ug/L or ug/Kg) UG/KG GPC Cleanup: (Y/N) N pH: 6.87

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1000
86-73-7	Fluorene	75	J	410
7005-72-3	4-Chlorophenyl-phenylether		U	410
84-66-2	Diethylphthalate		U ·	410
100-01-6	4-Nitroaniline		U	1000
534-52-1	4,6-Dinitro-2-methylphenol		U	1000
86-30-6	n-Nitrosodiphenylamine (1)		υ	410
101-55-3	4-Bromophenyl-phenylether		U	410
118-74-1	Hexachlorobenzene		U	410
87-86-5	Pentachiorophenol		U	1000
85-01-B	Phenanthrene	1000		410
120-12-7	Anthracene	220	J	410
84-74-2	Di-n-butylphthalate		U	410
206-44-0	Fluoranthene	1200		410
129-00-0	Pyrene	1500		410
85-68-7	Butylbenzylphthalate		U	410
91-94-1	3,3'-Dichlorobenzidine		U	410
56-55-3	Benzo(a)anthracene	640		410
218-01-9	Chrysene	760		410
117-81-7	bis(2-Ethylhexyl)phthalate	120	J	410
117-84-0	Di-n-octylphthalate		U	410
205-99-2	Benzo(b)fluoranthene	980		410
207-08-9	Benzo(k)fluoranthene	280	j	410
50-32-8	Benzo(a)pyrene	620		410
193-39-5	Indeno(1,2,3-cd)pyrene	320	j	410
62-75-9	n-Nitrosodimethylamine		U	410
53-70-3	Dibenz(a.h)anthracene	120	J	410
191-24-2	Benzo(g,h,i)perylene	340	J	410

STL Newburgh is a part of Severn Trent Laboratories, Inc.

Injection Volume: 2.0 (uL)

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	-14	OMI	/# T	-E 1	VU.
_					

							SS-5	. [
Lab Name:	STL Ne	ewburgh		Contra	ct:			
Lab Code:	10142	Case No.:		SAS	No.:	_ SD	G No.: <u>237</u>	194
Matrix: (soil/w	vater)	SOIL			Lab Sample	ID: 2	37194-011	
Sample wt/vo	ol:	30.4 (g/ml	) <u>G</u>	_	Lab File ID:	E	72188.D	
Level: (low/m	ned)	LOW			Date Receiv	ed: <u>6</u>	/11/2004	
% Moisture:	19.6	decanted:	(Y/N)N	<u> </u>	Date Extract	ed: <u>6</u>	/23/2004	
Concentrated	Extract	Volume: 1000	(uL)		Date Analyze	ed: <u>6</u>	/24/2004	
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Fact	or: <u>1</u>	.0	<u> </u>
GPC Cleanup	o: (Y/N)	<u> </u>	.87					
Number TICs	found:	1			NTRATION ug/Kg)	UNITS		
							20110	
CAS NUMB	ER	COMPOUND NA	ME		RT	EST	. CONC.	Q
1, 000123	3-42-2	2-Pentanone, 4-h	ydroxy-4-m	ethyl	5.43		43000	JN

000123-42-2

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SED-1	•

Lab Name:	STL Nev	wburgh		_ c	ontract:	_
Lab Code:	10142	(	Case No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/w	vater)	SOIL	····		Lab Sample ID:	237194-012
Sample wt/vo	ol:	30.12	(g/ml) <u>G</u>		Lab File ID:	E72200.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	52.5		decanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu	me: 2.	0 (uL)	—: !		Dilution Factor:	1.0
GPC Cleanup	): (Y/N)	N	pH: <u>6.58</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO. COMPOUND		RESULT	Q	RL	
111-44-4	bis(2-Chloroethyl)ether		U	700	
108-95-2	Phenol		U	700	
95-57-8	2-Chlorophenol		U	700	
541-73-1	1,3-Dichlorobenzene		U	700	
106-46-7	1.4-Dichlorobenzene		U	700	
95-50-1	1,2-Dichlorobenzene		U	700	
100-51-6	Benzyl alcohol		U	700	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	700	
95-48-7	2-Methylphenol		U	700	
67-72-1	Hexachloroethane		U	700	
621-64-7	N-Nitroso-di-n-propylamine		U	700	
106-44-5	4-Methylphenol		U	700	
98-95-3	Nitrobenzene		Ų	700	
78-59-1	Isophorone		U	700	
88-75-5	2-Nitrophenol		U	700	
105-67-9	2,4-Dimethylphenol		U	700	
111-91-1	bis(2-Chloroethoxy)methane		U	700	
120-83-2	2,4-Dichlorophenol		U	700	
120-82-1	1,2,4-Trichlorobenzene		U	700	
91-20-3	Naphthalene		U	700	
106-47-8	4-Chloroaniline		U	700	
87-68-3	Hexachlorobutadiene		U	700	
59-50-7	4-Chloro-3-methylphenol		U	700	
91-57-6	2-Methylnaphthalene		U	700	
77-47-4	Hexachiorocyclopentadiene		UR	700	
88-06-2	2,4,6-Trichlorophenol		U	700	
95-95-4	2,4,5-Trichlorophenol		U	1700	
91-58-7	2-Chloronaphthalene		U	700	
88-74-4	2-Nitroaniline		U	1700	
208-96-8	Acenaphthylene		U	700	
131-11-3	Dimethylphthalate		U	700	
606-20-2	2,6-Dinitrotoluene		U	700	
83-32-9	Acenaphthene	97	J	700	
99-09-2	3-Nitroanlline		U	1700	
51-28-5	2,4-Dinitrophenol		U	1700	
132-64-9	Dibenzofuran		U	700	
121-14-2	2,4-Dinitrotoluene		U	700	



3/90 M-NY049

PA 68-378

#### MINOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE NO.
SED-	1

SEMIVOLATILE ORGANICS ANALTSIS DATA OTILL!					SED-1			
Lab Name:	STL Ne	wburgh		Contract:		_		
Lab Code:	10142	Case N	o.:	_ SAS No.	.: S	DG No.:	23719	94
Matrix: (soil/v	vater)	SOIL		Lab	Sample ID:	237194	-012	
Sample wt/vo	ol:	30.12 (g/	ml) <u>G</u>	Lab	File ID:	E72200	.D	_
Level: (low/m	ned)	LOW		Dat	e Received:	6/11/20	04	
% Moisture:	52.5	decante	d:(Y/N)N	1 Dat	e Extracted:	6/23/20	04	_
Concentrated	i Extract \	/olume: 1000	(UL)	Dat	e Analyzed:	6/25/20	04	_
Injection Volu	me; <u>2</u> .	<u>0</u> (uL)		Dilu	tion Factor:	1.0	<del></del>	_
GPC Cleanup	o: (Y/N)	NpH:	6.58	Unit	s: (ug/L or ug	g/Kg) <u>U(</u>	G/KG	
CAS NO.	C	COMPOUND			RESUL	т	Q	
100-02-7		4-Nitrophenol				10	U	<del></del>

CAS NO.	COMPOUND	RESULT	Q	RL	
100-02-7	4-Nitrophenol	****	U	1700	
86-73-7	Fluorene	110	J	700	
7005-72-3	4-Chlorophenyl-phenylether		U	700	
84-66-2	Diethylphthalate		U	700	
100-01-6	4-Nitroaniline		U	1700	
534-52-1	4,6-Dinitro-2-methylphenol		U	1700	
86-30-6	n-Nitrosodiphenylamine (1)		U	700	
101-55-3	4-Bromophenyl-phenylether		U	700	
118-74-1	Hexachlorobenzene		U	700	
87-86-5	Pentachlorophenol		U	1700	
85-01-8	Phenanthrene	1400		700	
120-12-7	Anthracene	220	J	700	
84-74-2	Di-n-butylphthalate		U	700	
206-44-0.	Fluoranthene	3100		700	
129-00-0	Pyrene	4700		700	
85-68-7	Butylbenzylphthalate	85	J	700	
91-94-1	3,3'-Dichlorobenzidine		<u> </u>	700	
56-55-3	Benzo(a)anthracene	1400		700	
218-01-9	Chrysene	2100	_	700	
117-81-7	bis(2-Ethylhexyl)phthalate	1500		700	
117-84-0	Di-n-octylphthalate		Uİ	700	
205-99-2	Benzo(b)fluoranthene	3700	J	700	
207-08-9	Benzo(k)fluoranthene	1200		700	
50-32-8	Benzo(a)pyrene	2000	7 7	700	
193-39-5	Indeno(1,2,3-cd)pyrene	1000	1	700	
62-75-9	n-Nitrosodimethylamine		U <b>T</b>	700	
53-70-3	Dibenz(a,h)anthracene	300	J 🕽	700	
191-24-2	Benzo(g,h,i)perylene	1000	7	700	



3/90 M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	EPA SAMPLE NO.
i	SED-1

	OTI No	مادروا		Contract:	
Lab Name:	STL Ne	wourgii			
Lab Code:	10142	Case No	o.:		SDG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample ID	): <u>237194-012</u>
Sample wt/vo	ol:	30.12 (g/r	ni) <u>G</u>	Lab File ID:	E72200.D
Level: (low/n		LOW		Date Received	: <u>6/11/2004</u>
% Moisture:		decanted	I: (Y/N) N	Date Extracted	l: <u>6/23/2004</u>
Concentrated		<del></del>	(uL)	Date Analyzed	: 6/25/2004
injection Volu			<del></del>	Dilution Factor	: <u>1.0</u>
GPC Cleanup		NpH:	6.58		

### **CONCENTRATION UNITS:**

17.32

230

JN

Number TICs found:		ug/L or ug/Kg)	UG/KG	<del>,</del>
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-me	ethyl 5.44	85000	JN
1. 000120-72.2	Z i dilitarionoj i nije i ij	47.00	220	l int l

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86-74-8

Carbazole

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FΡΔ	SAM	PIF	NO.
	COLIN	II 1-1-	110.

s	ED-1RE
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Lab Name:	STL Nev	wburgh			0	ontract:	
Lab Code:	10142		Case No.:			SAS No.:	SDG No.: 237194
Matrix: (soll/v	vater)	SOIL				Lab Sample ID:	237194-012RE
Sample wt/vo		30.12	(g/ml)	G		Lab File ID:	E72231.D
Level: (low/m	ned)	LOW				Date Received:	6/11/2004
% Moisture:	52.5		decanted:(Y	/N) _	N	_ Date Extracted:	6/23/2004
Concentrated	Extract	Volume:	1000 (	(uL)		Date Analyzed:	6/29/2004
Injection Volu	ıme: 2.	0 (uL	)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: <u>6.</u>	58		Units: (ug/L or u	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	700
108-95-2	Phenol		U	700
95-57-8	2-Chlorophenol		U	700
541-73-1	1,3-Dichlorobenzene		U	700
106-46-7	1.4-Dichlorobenzene		U	700
95-50-1	1,2-Dichlorobenzene		U	700
100-51-6	Benzyl alcohol		U	700_
108-60-1	2,2'-oxybis(1-Chloropropane)		U	700
95-48-7	2-Methylphenol		U	700
67-72-1	Hexachioroethane		U	700
621-64-7	N-Nitroso-di-n-propylamine		U	700
106-44-5	4-Methylphenol		U	700
98-95-3	Nitrobenzene		U	700
78-59-1	Isophorone		U	700_
88 <b>-</b> 75-5	2-Nitrophenol		U	700
105-67-9	2,4-Dimethylphenol		U	700
111-91-1	bis(2-Chloroethoxy)methane		U	700
120-83-2	2,4-Dichlorophenol		U	700
120-82-1	1,2,4-Trichlorobenzene		Ú	700
91-20-3	Naphthalene		J	700
106-47-8	4-Chloroaniline		U	700
87-68-3	Hexachlorobutadiene		U	700
59-50 <b>-</b> 7	4-Chloro-3-methylphenol		U	700
91-57-6	2-Methylnaphthalene		U	700
77-47-4	Hexachlorocyclopentadiene		U	700
88-06-2	2,4,6-Trichlorophenol		U	700
95-95-4	2,4,5-Trichlorophenol		U	1700
91-58 <b>-</b> 7	2-Chloronaphthalene		U	700
88-74-4	2-Nitroaniline		U	1700
208-96-8	Acenaphthylene		U	700
<u> </u>	Dimethylphthalate		U	700
606-20-2	2,6-Dinitrotoluene		U	700
	Acenaphthene	120	J	700
83-32-9	3-Nitroaniline		U	1700
99-09-2	2.4-Dinitrophenol		U	1700
51-28-5	Dibenzofuran		Ü	700
132-64-9 121-14-2	2,4-Dinitrotoluene		U	700

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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$-\nu$	SAMPL	- NI 3
		_,,,,,,

SED-1RE

Lab Name:	STL Nev	wburgh		Con	tract:	
Lab Code:	10142	Cas	se No.:	S.	AS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	_		Lab Sample II	D: <u>237194-012RE</u>
Sample wt/vo	ol:	30.12	(g/ml) G		Lab File ID:	E72231.D
Level: (low/n	ned)	LOW	_		Date Receive	d: 6/11/2004
% Moisture:	52.5	dec	anted:(Y/N)	<u>N</u>	Date Extracte	d: 6/23/2004
Concentrated	Extract '	Volume: 1	000 (uL)		Date Analyze	d: 6/29/2004
Injection Volu	ıme: 2.	0 (uL)			Dilution Facto	r: <u>1.0</u>
GPC Cleanup	-	N	pH: <u>6.58</u>	-	Units: (ug/L or	ug/Kg) <u>UG/KG</u>

COMPOUND	RESULT	Q	RL
4-Nitrophenol		U	1700
	120		700
			700
			700
			1700
			1700
			700
			700
			700
		U	1700
· · · · · · · · · · · · · · · · · · ·	1400		700
	240	J	700
		U	700
	2500		700
	5300	.7	700
	85	J 7	700
		0.2	700
	1400	7	700
	2000	J_	700
his/2-Ethylhexyl)nhthalate	1600	7	700
		U T	700
	3500	2	700
	1300	T	700
	1900	7	700
		7	700
		U 3	700
	290	J 3	700
		3	700
	4-Nitrophenol Fluorene 4-Chlorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamine (1) 4-Bromophenyl-phenylether Hexachlorobenzene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Pyrene Butylbenzylphthalate Fluoranthalate Fluoranthalate Ghrysene bis(2-Ethylhexyl)phthalate Di-n-octylphthalate Benzo(a)pyrene Indeno(1,2,3-cd)pyrene n-Nitrosodimethylamine Dibenz(a,h)anthracene Benzo(g,h,i)perylene	4-Nitrophenol Fluorene 4-Chlorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodiphenylamine (1) 4-Bromophenyl-phenylether Hexachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Pyrene S300 Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Di-n-octylphthalate Benzo(b)fluoranthene Benzo(a)pyrene Benzo(a)pyrene 1300 Benzo(b)fluoranthene 1300 Benzo(a)pyrene 1900 Indeno(1,2,3-cd)pyrene 1900 Indeno(1,2,3-cd)pyrene 1900 Dibenz(a,h)anthracene 290	4-Nitrophenol   120



### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SED-1RE	

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh		Contra	act:	
Lab Code:	10142	Ca	se No.:	SA	3 No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	_		Lab Sample ID	: 237194-012RE
Sample wt/vo	ol:	30.12	(g/ml) G		Lab File ID:	E72231.D
Level: (low/n	ned)	LOW	_		Date Received:	6/11/2004
% Moisture:	52.5	deca	anted: (Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract	Volume: 1	000 (uL)		Date Analyzed:	6/29/2004
Injection Volu	ıme: <u>2.0</u>	) (uL)			Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	N	pH: <u>6.58</u>			
				CONC	ENTRATION UN	ITS:
Number TICs	found:	2	_	(ug/L o	rug/Kg) <u>UG</u>	/KG
				•		

· · · · · · · · · · · · · · · · · · ·		1		1
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.42	86000_	JN
2	C12H9F isomer	12.40	840	J

3/90

M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SED-2	
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Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142	Ca	se No.:		SAS No.: S	DG No.: 237194
Matrix: (soll/v	vater)	SOIL	<del>-</del>		Lab Sample ID:	237194-013
Sample wt/vo	ol:	30.29	(g/ml) G		Lab File ID:	E72202.D
Level: (low/n	ned)	LOW			Date Received:	6/11/2004
% Moisture:	57.5	de	canted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract '	Volume:	1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu		<del>-</del>			Dilution Factor:	1.0
GPC Cleanur		N	pH: <u>6.47</u>	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	780
108-95-2	Phenol		U	780
95-57-8	2-Chlorophenol		U	780
541-73-1	1,3-Dichlorobenzene		U	780
106-46-7	1,4-Dichlorobenzene		U	780
95-50-1	1,2-Dichlorobenzene		U	780
100-51-6	Benzyl alcohol		U	780
108-60-1	2,2'-oxybis(1-Chloropropane)		U	780
95-48-7	2-Methylphenol		U	780
67-72-1	Hexachloroethane		U	780
621-64-7	N-Nitroso-di-n-propylamine		U	780
106-44-5	4-Methylphenol		U	780
98-95-3	Nitrobenzene		U	780
78-59-1	Isophorone		U	780
88-75-5	2-Nitrophenol		U	780
105-67-9	2,4-Dimethylphenol		U	780
111-91-1	bis(2-Chloroethoxy)methane		U	780
120-83-2	2,4-Dichlorophenol		U	780
120-82-1	1,2,4-Trichlorobenzene		Ų	780
91-20-3	Naphthalene	94	J	780
106-47-8	4-Chloroaniline		U	780
87-68-3	Hexachlorobutadiene		U	780
59-50-7	4-Chloro-3-methylphenol		U	780
91-57-6	2-Methylnaphthalene	81	J	780
77-47-4	Hexachiorocyclopentadiene		UR	780
88-06-2	2,4,6-Trichlorophenol		U	780
95-95-4	2,4,5-Trichlorophenol		U	1900
91-58-7	2-Chloronaphthalene		U	780
88-74-4	2-Nitroaniline		U	1900
208-96-8	Acenaphthylene		U	780
131-11-3	Dimethylphthalate		U	780
606-20-2	2,6-Dinitrotoluene		U	780
83-32-9	Acenaphthene	160	J	780
99-09-2	3-Nitroaniline		U	1900
51-28-5	2,4-Dinitrophenol		U	1900
132-64-9	Dibenzofuran	85	J	780
121-14-2	2,4-Dinitrotoluene		U	780

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PA 68-378

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE	NO.
SED-2	

Lab Name:	STL Nev	wburgh_		C	Contract:	
Lab Code:	10142	C	case No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237194-013
Sample wt/vo		30.29	 (g/ml) G		Lab File ID:	E72202.D
Level: (low/n		LOW			Date Received:	6/11/2004
% Moisture:	57.5		 ecanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated			1000 (uL)		 Date Analyzed:	6/25/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanup		N	pH: 6.47	_	Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		Ū	1900
86-73-7	Fluorene	170	J	780
7005-72-3	4-Chlorophenyl-phenylether		U	780
84-66-2	Diethylphthalate		U	780
100-01-6	4-Nitroaniline		Ų	1900
	4,6-Dinitro-2-methylphenol		U	1900
534-52-1	n-Nitrosodiphenylamine (1)		U	780
86-30-6	4-Bromophenyl-phenylether		U	780
101-55-3	Hexachlorobenzene		U	780
118-74-1	Pentachlorophenol		U	1900
87-86-5	Phenanthrene	2400		780
85-01-8	Anthracene	410	J	780
120-12-7	Di-n-butylphthalate		U	780
84-74-2	Fluoranthene	4300		780
206-44-0		7800	E 7	780
129-00-0	Pyrene Pyrene	100	JT	780
85-68-7	Butylbenzyiphthalate		UŠ	780
91-94-1	3,3'-Dichlorobenzidine	2200	υ <u>Σ</u>	780
56-55-3	Benzo(a)anthracene	3200	7	780
218-01-9	Chrysene	1700	7	780
117-81-7	bis(2-Ethylhexyl)phthalate	110		780
117-84-0	Di-n-octylphthalate	5000	7	780
205-99-2	Benzo(b)fluoranthene	1700	7	780
207-08-9	Benzo(k)fluoranthene	2900	구	780
50-32-8	Benzo(a)pyrene	1500	1 7 1 7 1 7	780
193-39-5	indeno(1,2,3-cd)pyrene	1500	03	780
62-75-9	n-Nitrosodimethylamine	470	1 2	780
53-70-3	Dibenz(a,h)anthracene	470	3	780
191-24-2	Benzo(g,h,i)perylene	1500		700

SEVERN STL

3/00 M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	AMPLE NO.
SED-2	-

Lab Name:	STL Ne	wburgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.: S	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	Lab Sample ID:	237194-013
Sample wt/vo	ol:	30.29 (g/ml) G	Lab File ID:	E72202.D
Level: (low/n	ned)	LOW	Date Received:	6/11/2004
% Moisture:	57.5	decanted: (Y/N)	N Date Extracted:	6/23/2004
Concentrated	Extract '	Volume: 1000 (uL)	Date Analyzed:	6/25/2004
Injection Volu	ıme: <u>2.</u> 0	 )(uL)	Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	 N pH: 6.47		

#### **CONCENTRATION UNITS:**

Number TICs found:	20	(ug/L or ug/Kg)	UG/KG

		<del></del>		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.22	24000	JN
2. 000367-12-4	Phenol, 2-fluoro-	5.93	430	JN
3,	Unknown	7.49	1000	J
4.	Unknown	8.90	410	J
5.	C12H9F isomer	12.41	770	J
6.	Unknown	13.74	360	J
7.	Unknown CnH2n+2	16.71	. 310	J
8,	C13H9N isomer	17.04	290	J
9. 86-74-8	Carbazole	17.33	330	JN
10.	C12H7Cl3 isomer	17.52	270	<u>J</u>
11.	C15H12 isomer	17.82	310	J
12.	C15H12 isomer	17.88	240	J
13.	Unknown	18.04	590	J
14.	Unknown CnH2nO	18.15	420	J
15.	Unknown	18.92	240	J
16.	methyl Pyrene isomer	20.60	600	J
17.	Unknown	21.61	430	J
18.	Unknown CnH2n+2	21.95	580	J
19.	Unknown CnH2n+2	23.20	990	J
20.	Unknown CnH2n+2	24.36	1500	J

NJDEP 73015

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FPA	SAMPL	E	NO.
<b>L</b> : ^			,,,,,,

SED-2DL

Lab Name:	STL Nev	wburgh			Contract:	
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	-		Lab Sample II	D: 237194-013DL
Sample wt/vo	ol:	30.29	(g/ml) <u>G</u>		Lab File ID:	E72233.D
Level: (low/m	ned)	LOW			Date Received	i: 6/11/2004
% Moisture:	57.5	d€	ecanted:(Y/N)	N	Date Extracted	d: 6/23/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed	6/29/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor	: <u>2.0</u>
GPC Cleanup	o: (Y/N)	N	pH: 6.47	_	Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	,Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	1600
108-95-2	Phenol		U	1600
95-57-8	2-Chlorophenol		U	1600
541-73-1	1,3-Dichlorobenzene		U	1600
106-46-7	1,4-Dichlorobenzene		U	1600
95-50-1	1,2-Dichlorobenzene		U	1600
100-51-6	Benzyl alcohol		U	1600
108-60-1	2,2'-oxybis(1-Chloropropane)		U	1600
95-48-7	2-Methylphenol		U	1600
67-72-1	Hexachioroethane		U	1600
621-64-7	N-Nitroso-di-n-propylamine		U	1600
106-44-5	4-Methylphenol		U	1600
98-95-3	Nitrobenzene		U	1600
78-59-1	Isophorone		U	1600
88-75-5	2-Nitrophenol		U	1600
105-67-9	2,4-Dimethylphenol		U	1600
111-91-1	bis(2-Chioroethoxy)methane		U	1600
120-83-2	2,4-Dichlorophenol		U	1600
120-82-1	1,2,4-Trichlorobenzene		U	1600
91-20-3	Naphthalene		U	1600
106-47-8	4-Chloroaniline		U	1600
87-68-3	Hexachlorobutadiene		U	1600
59-50-7	4-Chloro-3-methylphenol		U	1600
91-57-6	2-Methylnaphthalene		U	1600
77-47-4	Hexachiorocyclopentadiene		U	1600
88-06-2	2,4,6-Trichlorophenol		U	1600
95-95-4	2,4,5-Trichlorophenol		Ü	3900
91-58-7	2-Chloronaphthalene		٥	1600
88-74-4	2-Nitroaniline		U	3900
208-96-8	Acenaphthylene		U	1600
131-11-3	Dimethylphthalate		J	1600
606-20-2	2.6-Dinitrotoluene		C	1600
83-32-9	Acenaphthene	160	JD	1600
	3-Nitroaniline		U	3900
99-09-2	2,4-Dinitrophenol		U	3900
51-28-5	Dibenzofuran		Ū	1600
132-64-9 121-14-2	2,4-Dinitrotoluene		U	1600

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### CEMINOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMI	PLE NO
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SED-2DL	
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	SEIVITOLATILL CROAR	IOO AITAL I OIO DATI	, OHEL	SED-2DL	
Lab Name:	STL Newburgh	Contract:			
Lab Code:	· · · ·	SAS No.:		No.: <u>2371</u>	94
Matrix: (soil/v	vater) SOIL	Lab (	Sample ID: 23	7194-013D	
Sample wi/vo	ol: 30.29 (g/ml) <u>G</u>	Lab	File ID: E7	2233.D	
•	ned) LOW		Received: 6/1	1/2004	
	57.5 decanted:(Y/N	I) N Date	Extracted: 6/2	23/2004	
	Extract Volume: 1000 (ul	′ <del></del>	Analyzed: 6/2	<del></del> -	<del></del>
Concentrated	Extract volume. 1000 (an	•			_
Injection Volu	ıme: 2.0 (uL)		on Factor: 2.0		
GPC Cleanup	o: (Y/N) N pH: 6.47	Units	: (ug/L or ug/Kç	g) <u>UG/KG</u>	
CAS NO.	COMPOUND		RESULT	Q	RL
100-02-7	4-Nitrophenol	<u> </u>		U	3900
86-73-7	Fluorene		200	JD	1600
7005-72-3	4-Chlorophenyl-pheny	/lether		U	1600
84-66-2	Diethylphthalate			U	1600
100-01-6	4-Nitroaniline			U	3900
534-52-1	4,6-Dinitro-2-methylph	nenol		U	3900
86-30-6	n-Nitrosodiphenylamii			U	1600
101-55-3	4-Bromophenyl-pheny			U	1600
118-74-1	Hexachlorobenzene			U	1600
87-86-5	Pentachiorophenol			U	3900
85-01-8	Phenanthrene		2500	D	1600
120-12-7	Anthracene .		430	JD	1600
84-74-2	Di-n-butylphthalate			U	1600
206-44-0	Fluoranthene		4300	D	1600
129-00-0	Pyrene		9900	D <b>5</b>	1600
85-68-7	Butylbenzylphthalate			U 3	1600
91-94-1	3,3'-Dichlorobenzidine	<u> </u>		77	1600
56-55-3	Benzo(a)anthracene		2400	D 2	1600
218-01-9	Chrysene		34 <u>00</u>	D 2	1600

218-01-9

117-81-7

117-84-0

205-99-2

207-08-9

50-32-8

193-39-5

62-75-9

53-70-3

191-24-2

1600

1600

1600

1600

1600

1600

1600

1600

1600

3/90 M-NY049

D .2

JD 7

DJ

D 2

DJ

JD 7

U Z

JD 2

JD 🎜

Chrysene

bis(2-Ethylhexyl)phthalate

Di-n-octylphthalate

Benzo(a)pyrene

Benzo(b)fluoranthene

Benzo(k)fluoranthene

Indeno(1,2,3-cd)pyrene

n-Nitrosodimethylamine

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

2100

5300

1800

2900

1400

490

1300

EPA NY049

180

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAME	LE NO.
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Lab Name:	STL Nev	wburgh		0	Contract:	_
Lab Code:	10142	(	Case No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/w	vater)	SOIL			Lab Sample ID:	237194-014
Sample wt/vo	ol:	30.99	(g/ml) G		Lab File ID:	E72203.D
Level: (low/m		LOW	<del>_</del>		Date Received:	6/11/2004
% Moisture:	53.6		 decanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanup		N	_ pH: <u>6.61</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	700
108-95-2	Phenol		U	700
95-57-8	2-Chlorophenol		U	700
541-73-1	1,3-Dichlorobenzene		U	700
106-46-7	1.4-Dichlorobenzene		U	700
95-50-1	1,2-Dichlorobenzene		U	700
100-51-6	Benzyi alcohol		U	700
108-60-1	2,2'-oxybis(1-Chioropropane)		U	700
95-48-7	2-Methylphenol		U	700
67-72-1	Hexachioroethane		U	700
621-64-7	N-Nitroso-di-n-propylamine		U	700
106-44-5	4-Methylphenol		U	700
98-95-3	Nitrobenzene		U	700
78-59-1	Isophorone		U	700
88-75-5	2-Nitrophenol		υ	700
105-67-9	2,4-Dimethylphenol		U	700
111-91-1	bis(2-Chloroethoxy)methane		U	700
120-83-2	2.4-Dichlorophenol		U	700
120-82-1	1,2,4-Trichlorobenzene		U	700
91-20-3	Naphthalene		U	700
106-47-8	4-Chloroaniline		U	700
87-68-3	Hexachlorobutadiene		U	700
59-50-7	4-Chioro-3-methylphenol		U	700
91-57-6	2-Methylnaphthalene		UU	700
77-47-4	Hexachiorocyclopentadiene		UR_	700
88-06-2	2,4,6-Trichlorophenol		U	700
95-95-4	2,4,5-Trichlorophenol		U	1700
91-58-7	2-Chloronaphthalene		U	700
88-74-4	2-Nitroaniline		U	1700
208-96-8	Acenaphthylene		υ	700
131-11-3	Dimethylphthalate		U	700
606-20-2	2.6-Dinitrotoluene		U	700
83-32-9	Acenaphthene	93	J	700
99-09-2	3-Nitroaniline		U	1700
	2,4-Dinitrophenol		U	1700
51-28-5	Dibenzofuran		U	700
132-64-9 121-14-2	2,4-Dinitrotoluene		U	700

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EPA NY049

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO
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SED-3	
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Lab Name:	STL Nev	vhurah		c	Contract:	SE	D-3	
Lad Maille:	OIL INC.			`			007404	
Lab Code:	10142	Ca	ase No.:				lo.: <u>237194</u>	
Matrix: (soil/w	vater)	SOIL	_		Lab Sample ID	): <u>237</u> 1	194-014	
Sample wt/vo	ol:	30.99	(g/ml) G		Lab File ID:	E722	203.D	
Level: (low/m		LOW	_		Date Received	l: <u>6/11</u>	/2004	
% Moisture:	53.6	de	_ canted:(Y/N) _	N	Date Extracted	i: <u>6/23</u>	/2004	
Concentrated	Extract	√olume:	1000 (uL)	_	Date Analyzed	: 6/25	/2004	
Injection Volu		-	<del></del>		Dilution Factor	: <u>1.0</u>		
GPC Cleanup			pH: <u>6.61</u>	_	Units: (ug/L or	ug/Kg)	UG/KG	_
		,						
CAS NO.	C	OMPOUN	ID		RES	ULT	Q	
			*				1 11	

COMPOUND	RESULT	Q	RL
4-Nitrophenol		U	1700
Fluorene	96		700
4-Chlorophenyl-phenylether			700
			700
			1700
			1700
			700
			700
			700
		U	1700
	1300		700
	230	J	700_
		U	700
	2700		700
	5100		700
	100	12	700
		U 3	700
······································	1300	2	700
	1800		700
	1300	7	700
		U 3	700
	3000	7	700
	890	7	700
	1600	3	700
	790	7	700
		U J	700
	290	J 3	700
			700
	4-Nitrophenol	4-Nitrophenol Fluorene 4-Chlorophenyl-phenylether Diethylphthalate 4-Nitroaniline 4,6-Dinitro-2-methylphenol n-Nitrosodlphenylamine (1) 4-Bromophenyl-phenylether Hexachlorophenol Phenanthrene Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate Fluoranthene Pyrene Butylbenzylphthalate Benzo(a)anthracene 1300 Chrysene bis(2-Ethylhexyl)phthalate Benzo(b)fluoranthene Benzo(a)pyrene Benzo(a)pyrene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Indeno(1,2,3-cd)pyrene Indeno(1,2,n)anthracene 290	4-Nitrophenol   96

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PA 68-378

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAM	PLE NO.
SED-3	

Lab Name:	STL Nev	wburgh		Contr	act:	· · · · · ·	
Lab Code:	10142	Cas	e No.:	SA	S No.:	s	DG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Samp	le ID:	237194-014
Sample wt/vo	ol:	30.99	(g/ml) G	·	Lab File ID	):	E72203.D
Level: (low/n	ned)	LOW			Date Rece	ived:	6/11/2004
% Moisture:	53.6	deca	nted: (Y/N)	N	Date Extra	cted:	6/23/2004
Concentrated	i Extract '	Volume: 10	000 (uL)		Date Analy	zed:	6/25/2004
Injection Volu	ıme: 2.0	(uL)			Dilution Fa	ctor:	1.0
GPC Cleanur	o: (Y/N)	<u>N</u> p	H: <u>6.61</u>				
				CONC	ENTRATION	ı uni.	TS:
Number TICs	found:	3		(ug/L o	r ug/Kg)	UG/I	KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.36	66000	JN
2	C10H16O isomer	21.61	1000_	J
3.	Unknown	21.93	1400	J

3/90

M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SEDA

RL

				Contract	SED-4
Lab Name:	STL Ne	wburgh		Contract:	
Lab Code:	10142	Case No	o.:	SAS No.:	SDG No.: 237194
Matrix: (soil/w	vater)	SOIL		Lab Sample ID	): <u>237194-015</u>
Sample wt/vo	ol:	30.52 (g/r	nl) <u>G</u>	Lab File ID:	E72194.D
Level: (low/m	ned)	LOW		Date Received	i: <u>6/11/2004</u>
% Moisture:	47.2	decante	d:(Y/N) <u>N</u>	Date Extracted	i: 6/23/2004
Concentrated	Extract	Volume: 1000	(uL)	Date Analyzed	6/24/2004
Injection Volu	ıme: 2.	0_ (uL)		Dilution Factor	: <u>1.0</u>
GPC Cleanup	 o: (Y/N)	N pH:	6.65	Units: (ug/L or	ug/Kg) <u>UG/KG</u>
		<del></del>			
CAS NO.	(	COMPOUND		RES	ULT Q

CAS NO.	COMPOUND	, ,=+		
111-44-4	bis(2-Chloroethyl)ether		U	620
108-95-2	Phenol		υ	620
95-57-8	2-Chlorophenol		U	620
541-73-1	1,3-Dichlorobenzene		U	620
106-46-7	1.4-Dichlorobenzene		U	620
95-50-1	1,2-Dichlorobenzene		U	620
100-51-6	Benzyl alcohol		U	620
108-60-1	2,2'-oxybis(1-Chloropropane)		U	620
95-48-7	2-Methylphenol		U	620
67-72-1	Hexachloroethane		U	620
621-64-7	N-Nitroso-di-n-propylamine		U	620
106-44-5	4-Methylphenol		U	620
98-95-3	Nitrobenzene		U	620
78-59-1	Isophorone		U	620
88 <del>-</del> 75-5	2-Nitrophenol		υ	620
105-67-9	2,4-Dimethylphenol		U	620
111-91-1	bis(2-Chloroethoxy)methane		U	620
120-83-2	2,4-Dichlorophenol		U	620
120-82-1	1,2,4-Trichlorobenzene		U	620
91-20-3	Naphthalene		U	620
106-47-8	4-Chloroaniline		U	620
87-68-3	Hexachiorobutadiene		U	620
59-50 <b>-</b> 7	4-Chloro-3-methylphenol		U	620
91-57-6	2-Methylnaphthalene		U	620
77-47-4	Hexachlorocyclopentadiene		. UR	620
88-06-2	2,4,6-Trichlorophenol		U	620
95-95-4	2,4,5-Trichlorophenol		U	1600
91-58-7	2-Chloronaphthalene		U	620
88-74-4	2-Nitroaniline		U	1600
208-96-8	Acenaphthylene		Ų	620
131-11-3	Dimethylphthalate		U	620
606-20-2	2,6-Dinitrotoluene		U	620
83-32 <b>-</b> 9	Acenaphthene	65	J	620
99-09-2	3-Nitroaniline		U	1600
51-28-5	2,4-Dinitrophenol		υ	1600
132-64-9	Dibenzofuran		U	620
121-14-2	2,4-Dinitrotoluene		U	620

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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SED-4

Lab Name:	STL Ne	wburgh	C	Contract:	
Lab Code:	10142	Case No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample ID:	237194-015
Sample wt/vo	ol:	30.52 (g/ml)	G	Lab File ID:	E72194.D
Level: (low/n	ned)	LOW		Date Received:	6/11/2004
% Moisture:	47.2	decanted:()	Y/N) <u>N</u>	Date Extracted:	6/23/2004
Concentrated	i Extract	Volume: 1000	(uL)	Date Analyzed:	6/24/2004
Injection Volu	ıme: 2	.0 (uL)		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	NpH: <u>6.</u>	.65	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1600
86-73-7	Fluorene	73	J	620
7005-72-3	4-Chlorophenyl-phenylether		U	620
84-66-2	Diethylphthalate		U	620
100-01-6	4-Nitroaniline	<u> </u>	U	1600
534-52-1	4,6-Dinitro-2-methylphenol		U	1600
86-30-6	n-Nitrosodiphenylamine (1)		U	620
101-55-3	4-Bromophenyl-phenylether		U	620
118-74-1	Hexachlorobenzene		U	620
87-86-5	Pentachlorophenol		U	1600
85-01-8	Phenanthrene	1100		620
120-12-7	Anthracene	200	J	620
84-74-2	Di-n-butylphthalate		U	620
206-44-0	Fluoranthene	2200		. 620
129-00-0	Pyrene	3600	3	620
85-68-7	Butylbenzylphthalate	80	JI	620
91-94-1	3,3'-Dichlorobenzidine		UJ	620
56-55-3	Benzo(a)anthracene	1100	7	620
218-01-9	Chrysene	1600	2	620
117-81-7	bis(2-Ethylhexyl)phthalate	600	12	620
117-84-0	Di-n-octylphthalate		n <b>2</b>	620
205-99-2	Benzo(b)fluoranthene	2400	2	620
207-08-9	Benzo(k)fluoranthene	860	2	620
50-32-8	Benzo(a)pyrene	1400	3	620
193-39-5	Indeno(1,2,3-cd)pyrene	720		620
62-75-9	n-Nitrosodimethylamine		U 2	620
53-70-3	Dibenz(a,h)anthracene	250	17	620
191-24-2	Benzo(g,h,i)perylene	700	7	620

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	_	 	
SED-4			

EPA SAMPLE NO.

Lab Name:	STL Nev	wburgh		Contract: _		
Lab Code:	10142	Ca	ase No.:	SAS No.:	s	DG No.: 237194
Matrix: (soil/v	vater)	SOIL	_	Lab S	sample ID:	237194-015
Sample wt/vo	ol:	30.52	_ (g/ml) <u>G</u>	_ Lab F	ile ID:	E72194.D
Level: (low/n	ned)	LOW		Date	Received:	6/11/2004
% Moisture:	47.2	ded	canted; (Y/N)f	Date	Extracted:	6/23/2004
Concentrated	Extract \	Volume:	1000 (uL)	Date /	Analyzed:	6/24/2004
Injection Volu	ıme: 2.0	(uL)		Dilutio	on Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH: <u>6.65</u>	•		
		•		CONCENTRA	TION UNI	TS:

Number TICs found:	4	(ug/L or ug/Kg)	UG/KG	
				]
	COMPOUND MANC	PT	EST CONC	[

			FOT 00NO	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.26	34000	JN
2	Unknown	21.61	990	JJ_
3	Unknown	21.93	1100	J
4.	Unknown CnH2n+2	23.21	750	J

3/90

M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO.
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SED-4RE

Lab Name:	STL Ne	wburgh		c	Contract:	
Lab Code:	10142		Case No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	: 237194-015RE
Sample wt/vo	ol;	30.52	(g/ml) <u>G</u>		Lab File ID:	E72211.D
Level: (low/n	ned)	LOW			Date Received	6/11/2004
% Moisture:	47.2	d	lecanted:(Y/N	) <u>N</u>	Date Extracted	: 6/23/2004
Concentrated	Extract	Volume:	1000 (ul	_)	Date Analyzed:	6/25/2004
Injection Volu	ime: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	N	рН: <u>6.65</u>		Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL	
111-44-4	bis(2-Chioroethyl)ether		U	620 620	
108-95-2	Phenol				
95-57-8	2-Chlorophenol		U	620	
541-73-1	1,3-Dichlorobenzene		U	620	
106-46-7	1,4-Dichlorobenzene		U	620	
95-50-1	1,2-Dichlorobenzene		U	620	
100-51-6	Benzyl alcohol		U	620	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	620	
95-48-7	2-Methylphenol		U	620	
67 <b>-</b> 72-1	Hexachloroethane		U	620	
621-64-7	N-Nitroso-di-n-propylamine		U	620	
106-44-5	4-Methylphenol		U	620	
98-95-3	Nitrobenzene		U	620	
78-59-1	Isophorone		U	620	
88-75-5	2-Nitrophenol		Ų	620	
105-67-9	2,4-Dimethylphenol		U	620	
111-91-1	bis(2-Chloroethoxy)methane		U	620	
120-83-2	2,4-Dichlorophenol		U	620	
120-82-1	1.2.4-Trichlorobenzene		U	620	
91-20-3	Naphthalene		U	620	
106-47-8	4-Chloroaniline		U	620	
87-68-3	Hexachlorobutadiene		U	620	
59-50-7	4-Chloro-3-methylphenol		U	620	
91-57-6	2-Methylnaphthalene		U	620	
77-47-4	Hexachlorocyclopentadiene		υR	620	
88-06-2	2,4,6-Trichlorophenol		U	620	
95-95-4	2,4,5-Trichlorophenol		U	1600	
91-58-7	2-Chloronaphthalene		U	620	
88-74-4	2-Nitroaniline		U	1600	
208-96-8	Acenaphthylene		U	620	
131-11-3	Dimethylphthalate		U	620	
606-20-2	2,6-Dinitrotoluene		U	620	
83-32-9	Acenaphthene	63	J	620	
99-09-2	3-Nitroaniline		U	1600	
51-28-5	2,4-Dinitrophenol		U	1600	
132-64-9	Dibenzofuran		U	620	
121-14-2	2,4-Dinitrotoluene		U	620	

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EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SED-4RE

Lab Name:	STL Nev	vburgh	_ Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194
Matrix: (soil/\	water)	SOIL	Lab Sample ID	: 237194-015RE
Sample wt/ve	oi:	30.52 (g/ml) G	Lab File ID:	E72211.D
Level: (low/r	ned)	LOW	Date Received	6/11/2004
% Moisture:	47.2	decanted:(Y/N)	N Date Extracted	6/23/2004
Concentrated	d Extract \	/olume: 1000 (uL)	Date Analyzed:	6/25/2004
Injection Volu	ıme: <u>2.</u>	0 (uL)	Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N pH: 6.65	Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	AS NO. COMPOUND		Q	RL .
100-02-7	4-Nitrophenol		U	1600
86-73-7	Fluorene	80	J	620
7005-72-3	4-Chlorophenyl-phenylether		U	620
84-66-2	Diethylphthalate		U	620
100-01-6	4-Nitroaniline		U	1600
534-52-1	4,6-Dinitro-2-methylphenol		U	1600
86-30-6	n-Nitrosodiphenylamine (1)		U	620
101-55-3	4-Bromophenyl-phenylether		U	620
118-74-1	Hexachlorobenzene		U	620
87-86-5	Pentachlorophenol		U	<u>1600</u>
85-01-8	Phenanthrene	1200		620
120-12-7	Anthracene	200	J	620
84-74-2	Di-n-butyiphthalate		U	620
206-44-0	Fluoranthene	2000		620
129-00-0	Pyrene	4300	7	620
85-68-7	Butylbenzylphthalate	93	12	620
91-94-1	3,3'-Dichlorobenzidine		<u>7</u>	620
56-55-3	Benzo(a)anthracene	1100		620
218-01-9	Chrysene	1600	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	620
117-81-7	bis(2-Ethylhexyl)phthalate	720		620
117-84-0	Di-n-octylphthalate		u 🍱	620
205-99-2	Benzo(b)fluoranthene	2500	2 2	620
207-08-9	Benzo(k)fluoranthene	780		620
50-32-8	Benzo(a)pyrene	1400	2	620
193-39-5	Indeno(1,2,3-cd)pyrene	810		620
62-75-9	n-Nitrosodimethylamine		1 <u>3</u>	620
53-70-3	Dibenz(a,h)anthracene	280	12	620
191-24-2	Benzo(g,h,i)perylene	840	3	620

SEVERN STL NYSDOH 10142

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	 	_
SED-4RE		

EPA SAMPLE NO.

Lab Name:	STL Nev	wburgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.: 5	SDG No.: <u>237194</u>
Matrix: (soil/w	/ater)	SOIL	Lab Sample ID:	237194-015RE
Sample wt/vo	ol:	30.52 (g/ml) G	Lab File ID:	E72211.D
Level: (low/m		LOW	Date Received:	6/11/2004
% Moisture:		decanted: (Y/N)	N Date Extracted:	6/23/2004
Concentrated	Extract \	Volume: 1000 (uL)	Date Analyzed:	6/25/2004
Injection Volu		<del></del> ;	Dilution Factor:	1.0
GPC Cleanup			•	
			CONCENTRATION UN	
Number TICs	found:	4	(ug/L or ug/Kg) UG	/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.25	34000	JN
1. 000123-42-2	Unknown	21.59	950	J
<u></u>	Unknown	21.91	1400	J
	Unknown CnH2n+2	23.19	860	J

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

EPA NY049

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Number TICs found:

3/90

M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EDA	SAMPL	ENO
EFA	SAMP	_= 140

-5

Lab Name:	STL Nev	vburgh		Co	ntract:	
Lab Code:	10142	c	ase No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/w	rater)	SOIL			Lab Sample ID:	237194-016
Sample wt/vo	l:	30.31	(g/ml) G		Lab File ID:	E72195.D
Level: (low/m	ied)	LOW	-		Date Received:	6/11/2004
% Moisture:	52.9	d€	 ecanted:(Y/N)	Ν_	Date Extracted:	6/23/2004
Concentrated	Extract \	.— /olume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanup		N_	pH: 6.81		Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	700
108-95-2	Phenol		U	700
95-57-8	2-Chlorophenol		U	700
541-73-1	1.3-Dichlorobenzene		U ·	700
106-46-7	1,4-Dichlorobenzene		U	700
95-50-1	1.2-Dichlorobenzene		U	700
100-51-6	Benzyl alcohol		U	700
108-60-1	2,2'-oxybis(1-Chloropropane)		U	700
95-48-7	2-Methylphenol		U	700
67-72-1	Hexachloroethane		U	700
621-64-7	N-Nitroso-di-n-propylamine		U	700
106-44-5	4-Methylphenol		U	700
98-95-3	Nitrobenzene		U	700
78-59-1	Isophorone		U	700
88-75-5	2-Nitrophenol		U	700
105-67-9	2,4-Dimethylphenol		U	700
111-91-1	bis(2-Chloroethoxy)methane		U	700
120-83-2	2,4-Dichlorophenol		U	700
120-82-1	1,2,4-Trichlorobenzene	-	U	700
91-20-3	Naphthalene		U	700
106-47-8	4-Chloroaniline		U	. 700
87-68-3	Hexachlorobutadiene		U	700
59-50-7	4-Chloro-3-methylphenol		U	700
91-57-6	2-Methylnaphthalene		U	700
77-47-4	Hexachlorocyclopentadiene		UR	700
88-06-2	2.4.6-Trichlorophenol		U '	700
95-95-4	2,4,5-Trichlorophenol		U	1800
91-58-7	2-Chloronaphthalene		<u> </u>	700
88-74-4	2-Nitroaniline		U	1800
208-96-8	Acenaphthylene		U	700
131-11-3	Dimethylphthalate		U	700
606-20-2	2,6-Dinitrotoluene		U	700
83-32-9	Acenaphthene		U	700
99-09-2	3-Nitroaniline		U	1800
51-28-5	2,4-Dinitrophenol		U	1800
132-64-9	Dibenzofuran		U	700
121-14-2	2,4-Dinitrotoluene		U	700

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAIVIT	L	NO.

Lab Name:	STL Ne	whitah		Contract:	SED-5
Lau Name.	SILING	woulgii			
Lab Code:	10142		ase No.:	SAS No.:	_ SDG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample	ID: 237194-016
Sample wt/vo	ol:	30.31	(g/ml) <u>G</u>	Lab File ID:	E72195.D
Levei: (iow/n	ned)	LOW	<u> </u>	Date Receive	ed: 6/11/2004
% Moisture:	52.9	d	ecanted:(Y/N)	N Date Extract	ed: 6/23/2004
Concentrated	Extract	Volume:	1000 (uL)	Date Analyze	ed: 6/24/2004
Injection Volu	ıme: 2	0 (uL)		Dilution Factor	or: 1.0
GPC Cleanu	p: (Y/N)	N	pH: <u>6.81</u>	Units: (ug/L o	or ug/Kg) UG/KG
CAS NO.	(	COMPOU	ND	RE	SULT Q

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1800
86-73-7	Fluorene		U	700
7005-72-3	4-Chlorophenyl-phenylether		U	700
84-66-2	Diethylphthalate		U	700
100-01-6	4-Nitroaniline		U	1800
534-52-1	4,6-Dinitro-2-methylphenol		U	1800
86-30-6	n-Nitrosodiphenylamine (1)		U	700
101-55-3	4-Bromophenyl-phenylether	•	U	700
118-74-1	Hexachlorobenzene		U	700
87-86-5	Pentachlorophenol		υ	1800
85-01-8	Phenanthrene	950		700
120-12-7	Anthracene .	180	J	700
84-74-2	Di-n-butylphthalate		U	700
206-44-0	Fluoranthene	2200		700
129-00-0	Pyrene	3000		700
85-68-7	Butylbenzylphthalate		U	700
91-94-1	3,3'-Dichlorobenzidine		U	700
56-55-3	Benzo(a)anthracene	910		700
218-01-9	Chrysene	1300		700
117-81-7	bis(2-Ethylhexyl)phthalate	650	J	700
117-84-0	Di-n-octylphthalate		0.2	700
205-99-2	Benzo(b)fluoranthene	2000		700
207-08-9	Benzo(k)fluoranthene	750	2 2 3	700
50-32-8	Benzo(a)pyrene	1200		<u>700</u>
193-39-5	Indeno(1,2,3-cd)pyrene	580	1 <u>7</u>	700
62-75-9	n-Nitrosodimethylamine			700
53-70-3	Dibenz(a,h)anthracene	190	J <u>Z</u>	700
191-24-2	Benzo(g,h,i)perylene	540	<u> 1 7  </u>	700



### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SED-5	

Lab Name:	STL Nev	wburgh		Contract		_
Lab Code:	10142	Cas	se No.:	_ SAS 1	No.: S	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	_	L	ab Sample ID:	237194-016
Sample wt/vo	ol:	30.31	(g/ml) G	_ L	ab File ID:	E72195.D
Level: (low/n	ned)	LOW	mar.	D	ate Received:	6/11/2004
% Moisture:	52.9	deca	anted: (Y/N)I	<u>1</u> D	ate Extracted:	6/23/2004
Concentrated	Extract \	Volume: 1	000 (uL)	D	ate Analyzed:	6/24/2004
Injection Volu	me: <u>2.0</u>	(uL)		D	ilution Factor:	1.0
GPC Cleanup	o: (Y/N)	<u>N</u> 1	pH: <u>6.81</u>			
Number TICs	found:	2	-	CONCEN	TRATION UN g/Kg) UG.	

	,	1		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.32	38000	JN
2.	Unknown	21.61	830	J

3/90

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	EPA SAMPLE NO.
,	SED-5RE

Lab Name:	STL Ne	wburah		C	ontract:	
Lab Code:	10142		e No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/	water)	SOIL			Lab Sample II	D: 237194-016RE
Sample wt/vo	ol:	30.31	(g/ml) G		Lab File ID:	E72212.D
Level: (low/r		LOW			Date Received	d: 6/11/2004
% Moisture:	52.9	deca	inted:(Y/N)	Ν	Date Extracted	d: 6/23/2004
Concentrated	d Extract	— Volume: 10	000 (uL)		Date Analyzed	l: 6/25/2004
Injection Volu					Dilution Factor	1.0
GPC Cleanu		<del></del> ` '	oH: 6.81		Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	700
108-95-2	Phenol		U	700
95-57-8	2-Chlorophenol		U	700
541-73-1	1,3-Dichlorobenzene		U	700
106-46-7	1,4-Dichlorobenzene		U	700
95-50-1	1.2-Dichlorobenzene	•	U	700
100-51-6	Benzyl alcohol		U	700
108-60-1	2,2'-oxybis(1-Chloropropane)		U	700
95-48-7	2-Methylphenol		U	700
67-72-1	Hexachloroethane		U	700
621-64-7	N-Nitroso-di-n-propylamine		U	700
106-44-5	4-Methylphenol		U	700
98-95-3	Nitrobenzene		U	700
78-59-1	Isophorone		U	700
88-75-5	2-Nitrophenol		U .	700
105-67-9	2,4-Dimethylphenol		U	700
111-91-1	bis(2-Chloroethoxy)methane		U	700
120-83-2	2.4-Dichlorophenol		U	700
120-82-1	1,2,4-Trichlorobenzene		U	700
91-20-3	Naphthalene		U	700
106-47-8	4-Chloroaniline		U	700
87-68-3	Hexachlorobutadiene		U	700
59-50-7	4-Chloro-3-methylphenol		U	700
91-57-6	2-Methylnaphthalene		U	700
77-47-4	Hexachlorocyclopentadiene		υR	700
88-06-2	2,4,6-Trichlorophenol		U	700
95-95-4	2,4,5-Trichlorophenol		U	1800
91-58-7	2-Chloronaphthalene	_	U	700
88-74-4	2-Nitroaniline		U	1800
208-96-8	Acenaphthylene		U	700
131-11-3	Dimethylphthalate		U	700
606-20-2	2,6-Dinitrotoluene		U	700
83-32-9	Acenaphthene		U	700
99-09-2	3-Nitroaniline		U	1800
51-28-5	2,4-Dinitrophenol		U	1800
132-64-9	Dibenzofuran		U	700
121-14-2	2,4-Dinitrotoluene		U	700

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	CAM	DI E	NO
ELM	SAIV		NO.

SED-5RE	
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Lab Name:	STL Newb	urgh	<del></del>	_ Cor	ntract:	
Lab Code:	10142	Case N	lo.:	\$	SAS No.: 8	DG No.: 237194
Matrix: (soil/v	vater) S	OIL			Lab Sample ID:	237194-016RE
Sample wt/vo	ol: 30	0.31 (g	/ml) <u>G</u>		Lab File ID:	E72212.D
Level: (low/m		ow			Date Received:	6/11/2004
% Moisture:	52.9	decant	ed:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract Vo	- Jume: 1000	uL)		Date Analyzed:	6/25/2004
Injection Volu		(uL)			Dilution Factor:	1.0
GPC Cleanup		N pH	: <u>6.81</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1800
86-73-7	Fluorene	72	J	700
7005-72-3	4-Chlorophenyl-phenylether		U	700
84-66-2	Diethylphthalate		U	700
100-01-6	4-Nitroaniline		U	1800
534-52-1	4,6-Dinitro-2-methylphenol		U	1800
86-30-6	n-Nitrosodiphenylamine (1)		U	700
101-55-3	4-Bromophenyl-phenylether		U	700
118-74-1	Hexachlorobenzene		U	700
87-86-5	Pentachlorophenol		U	1800
85-01-8	Phenanthrene	970		700
120-12-7	Anthracene	180	ل	700
84-74-2	Di-n-butylphthalate		U	700
206-44-0	Fluoranthene	1900		700
129-00-0	Pyrene	3600	12	700
85-68-7	Butylbenzylphthalate	74	12	700
	3,3'-Dichlorobenzidine		U 3	700
91-94-1	Benzo(a)anthracene	960	3	700
56-55-3	Chrysene	1200	3	700
<u>218-01-9</u> 117-81-7	bis(2-Ethylhexyl)phthalate	790	7	700
	Di-n-octylphthalate		U 3	700
117-84-0	Benzo(b)fluoranthene	1900	3	700
205-99-2	Benzo(k)fluoranthene	740	2	700
207-08-9	Benzo(a)pyrene	1200	5	700_
50-32-8		650	JJ	700
193-39-5	Indeno(1,2,3-cd)pyrene		U <b>T</b>	700
62-75-9	n-Nitrosodimethylamine	290	JJ	700
53-70-3	Dibenz(a,h)anthracene  Benzo(g,h,i)perviene	680	13	700
101-24-2	i Renzoro.n.boerviene	1 330		

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	N0.

		IENIAIIVELI IDENII		OCIVII OCIVES	SED-5RE
Lab Name:	STL Ne	wburgh	c	Contract:	- OLD ONE
Lab Code:	10142	Case No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample ID:	237194-016RE
Sample wt/vo	ol:	30.31 (g/ml) G		Lab File ID:	E72212.D
Level: (low/n	ned)	LOW		Date Received:	6/11/2004
% Moisture:	52.9	decanted: (Y/N)	N	Date Extracted:	6/23/2004
Concentrated	I Extract	Volume: 1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu	ıme: 2.0	 O (uL)		Dilution Factor:	1.0
GPC Cleanup		N pH: <u>6.81</u>	-		

#### **CONCENTRATION UNITS:**

21.59

21.92

23.20

950

750

630

Number TICs found:	5 <u>(</u> u	g/L or ug/Kg)	UG/KG	ı
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-met	hyl 5.26	37000	JN
2.	Unknown	18.03	290	J

5.

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Unknown

<u>Unknown</u>

Unknown CnH2n+2

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
CED	6	

Lab Name:	STL Newl	ourgh	·	Co	ntract:	V
Lab Code:	10142	Case	No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater) S	SOIL			Lab Sample i	D: <u>237194-017</u>
Sample wt/vo	ol: 3	0.91	(g/ml) G		Lab File ID:	E72189.D
Level: (low/m	ned) L	.ow			Date Receive	d: 6/11/2004
% Moisture:	49.7	deca	nted:(Y/N)	N	Date Extracte	d: 6/23/2004
Concentrated	Extract Vo	_ olume: 10!	00 (uL)		Date Analyze	d: 6/24/2004
Injection Volu	me: 2.0	(uL)			Dilution Facto	r: <u>1.0</u>
GPC Cleanup	o: (Y/N) _		H: <u>6.54</u>	_	Units: (ug/L o	r ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	640
108-95-2	Phenol		<u> </u>	640
95-57-8	2-Chlorophenol		U	640
541-73-1	1,3-Dichlorobenzene		U	640
106-46-7	1,4-Dichlorobenzene		U	640
95-50-1	1,2-Dichlorobenzene		U	640
100-51-6	Benzyl alcohol		U	640
108-60-1	2,2'-oxybis(1-Chloropropane)		U	640
95-48-7	2-Methylphenol		U	640
67-72-1	Hexachloroethane		U	640
621-64-7	N-Nitroso-di-n-propylamine		U	640
106-44-5	4-Methylphenol		U	640
98-95-3	Nitrobenzene		Ü	640
78-59-1	Isophorone		U	640
88-75-5	2-Nitrophenol		U	640
105-67-9	2,4-Dimethylphenol		U	640
111-91-1	bis(2-Chloroethoxy)methane		U	640
120-83-2	2,4-Dichlorophenol		U	640
120-82-1	1,2,4-Trichlorobenzene		U	640
91-20-3	Naphthalene		U	640
106-47-8	4-Chloroaniline		U	640
87-68-3	Hexachlorobutadiene		U	640
59-50-7	4-Chioro-3-methylphenol		U	640
91-57-6	2-Methylnaphthalene		U	640
77-47-4	Hexachlorocyclopentadiene		UR	640
88-06-2	2,4,6-Trichlorophenol		U	640
95-95-4	2,4,5-Trichlorophenol		U	1600
91-58-7	2-Chloronaphthalene		U	640
88-74-4	2-Nitroaniline		U	1600
208-96-8	Acenaphthylene		U	640
131-11-3	Dimethylphthalate		U	640
606-20-2	2,6-Dinitrotoluene		U	640
83-32-9	Acenaphthene		U	640
99-09-2	3-Nitroaniline		U	1600
51-28-5	2,4-Dinitrophenol		U	1600
132-64-9	Dibenzofuran		U	640
121-14-2	2,4-Dinitrotoluene		U	640

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EPA NY049

3/90 M-NY049

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	ΞΡΑ	SAMP	LE	NO
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	SED-6
_ '	

Lab Name:	STL Ne	wburgh	_ Contract:		
Lab Code:	10142	Case No.:	SAS N	o.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL	La	ab Sample ID:	237194-017
Sample wt/vo	ol:	30.91 (g/ml) G	La	ab File ID:	E72189.D
Level: (low/n	ned)	LOW	D	ate Received:	6/11/2004
% Moisture:	49.7	decanted:(Y/N)	N Da	ate Extracted:	6/23/2004
Concentrated	Extract	Volume: 1000 (uL)	Da	ate Analyzed:	6/24/2004
Injection Volu	ıme: 2.	.0 (uL)	Di	lution Factor:	1.0
GPC Cleanu		N pH: 6.54	Ur	nits: (ug/L or uç	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1600
86-73-7	Fluorene		U	640
7005-72-3	4-Chlorophenyl-phenylether		U	640
84-66-2	Diethylphthalate		U	640
100-01-6	4-Nitroaniline		U	1600
534-52-1	4,6-Dinitro-2-methylphenol		U	1600
86-30-6	n-Nitrosodiphenylamine (1)		U	640
101-55-3	4-Bromophenyl-phenylether		U	640
118-74-1	Hexachlorobenzene		U	640
87-86-5	Pentachlorophenol		U	1600
85-01-8	Phenanthrene	550	J	640
120-12-7	Anthracene	93	J	640
84-74-2	Di-n-butylphthalate		Ū	640
206-44-0	Fluoranthene	1200		640
129-00-0	Pyrene	1300		640
	Butylbenzylphthalate		U	640
85-68-7	3,3'-Dichlorobenzidine		U	640
91-94-1 56-55-3	Benzo(a)anthracene	500	J	640
	Chrysene	720		640
218-01-9 117-81-7	bis(2-Ethylhexyl)phthalate	210	7	640
117-84-0	Di-n-octylphthalate			640
205-99-2	Benzo(b)fluoranthene	1100	<u>7</u>	640
205-99-2	Benzo(k)fluoranthene	400	15	640
	Benzo(a)pyrene	630	7.2	640
50-32-8	Indeno(1,2,3-cd)pyrene	270	J '5	640
193-39-5	n-Nitrosodimethylamine		U 2	640
62-75-9	Dibenz(a,h)anthracene	100	J 3	640
53-70-3		260	13	640
191-24-2	Benzo(g,h,i)perylene		<del></del>	

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3/90 M-NY049

PA 68-378

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.	•
SED-6	

				1	
Lab Name: STL N	ewburgh	Contrac	xt:		
Lab Code: 10142	Case No.:	SAS	No.:	_ SDG No.: 237	194
Matrix: (soll/water)	SOIL	!	Lab Sample	ID: <u>237194-017</u>	
Sample wt/vol:	30.91 (g/ml) G	<u> </u>	Lab File ID:	E72189.D	<del></del>
Level: (low/med)	LOW	1	Date Receiv	ed: 6/11/2004	
% Moisture: 49.	7 decanted: (Y/N)	N I	Date Extract	ed: 6/23/2004	
Concentrated Extrac	t Volume: 1000 (uL)		Date Analyz	ed: 6/24/2004	
Injection Volume: 2	2.0 (uL)	1	Dilution Fact	or: <u>1.0</u>	<u></u>
GPC Cleanup: (Y/N)	N pH: 6.54				
,		CONCE	NTRATION	UNITS:	
Number TICs found:	1	(ug/L or	ug/Kg)	UG/KG	
CAS NUMBER	COMPOUND NAME		RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-	4-methyl	5.26	32000	JN

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
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SED-6RE
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Lab Name:	STL Nev	wburgh		c	ontract:	
Lab Code:	10142	C	ase No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237194-017RE
Sample wt/vo	ol:	30.91	(g/ml) <u>G</u>		Lab File ID:	E72206.D
Level: (low/m		LOW			Date Received:	6/11/2004
% Moisture:	49.7	de	ecanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract \	— √olume:	1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanup	_	N	pH: 6.54	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	640
108-95-2	Phenol		U	640
95-57-8	2-Chlorophenol		U	640
541-73-1	1.3-Dichlorobenzene		U	640
106-46-7	1,4-Dichlorobenzene		U	640
95-50 <b>-</b> 1	1,2-Dichlorobenzene		U	640
100-51-6	Benzyl alcohol		U	640
108-60-1	2,2'-oxybis(1-Chloropropane)		U	640
95-48-7	2-Methylphenol		U	640
67-72-1	Hexachloroethane		U	640
621-64-7	N-Nitroso-di-n-propylamine		U	640
106-44-5	4-Methylphenol		U	640
98-95-3	Nitrobenzene		U	640
<del>96-95-3</del> 78-59-1	Isophorone		U	640
78-59-1 88-75-5	2-Nitrophenol		U	640
105-67-9	2,4-Dimethylphenol		U	640
	bis(2-Chioroethoxy)methane		U	640
111-91-1	2,4-Dichlorophenol		U	640
120-83-2	1,2,4-Trichlorobenzene		U	640
120-82-1	Naphthalene		U	640
91-20-3	4-Chloroaniline		U	640
106-47-8	Hexachlorobutadiene		U	640
87-68-3	4-Chloro-3-methylphenol		υ	640
59-50-7	2-Methylnaphthalene		U	640
91-57-6	Hexachlorocyclopentadiene		UR	640
77-47-4	2,4,6-Trichiorophenol		U	640
88-06-2	2,4,5-Trichlorophenol		U	1600
95-95-4	2-Chloronaphthalene		U	640
91-58-7			U	1600
88-74-4	2-Nitroaniline		U	640
208-96-8	Acenaphthylene		Ū	640
131-11-3	Dimethylphthalate		Ū	640
606-20-2	2,6-Dinitrotoluene		Ü	640
83-32-9	Acenaphthene		Ü	1600
99-09-2	3-Nitroaniline		Ü	1600
51-28-5	2,4-Dinitrophenol		U	640
132-64-9	Dibenzofuran		<del>u</del>	640
121-14-2	2,4-Dinitrotoluene			<u> </u>

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

			_	
<b>EPA</b>	SA	MPI	=	NO.
	$\sim$	141( 1		110

SED-6RE	

Lab Name:	STL Nev	wburgh	<u>.                                    </u>	Cont	ract:	
Lab Code:	10142	(	Case No.:	SA		SDG No.: <u>237194</u>
Matrix: (soil/v	vater)	SOIL_			Lab Sample ID	237194-017RE
Sample wt/vo		30.91	(g/ml) G		Lab File ID:	E72206.D
Level: (low/n		LOW			Date Received:	6/11/2004
% Moisture:	49.7		decanted:(Y/N)	N	Date Extracted	6/23/2004
Concentrated	Extract '	— √olume:	1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu			<u> </u>		Dilution Factor:	1.0
GPC Cleanu		N	pH: <u>6.54</u>		Units: (ug/L or t	ıg/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1600
86-73-7	Fluorene		U	640
7005-72-3	4-Chlorophenyl-phenylether		U _	640
84-66-2	Diethylphthalate		U	640
100-01-6	4-Nitroaniline		Ú	1600
534-52-1	4,6-Dinitro-2-methylphenol		U	1600
86-30-6	n-Nitrosodiphenylamine (1)		U	640
101-55-3	4-Bromophenyl-phenylether		U	640
118-74-1	Hexachlorobenzene		U	640
87-86-5	Pentachlorophenol		U	1600
85-01-8	Phenanthrene	570	J	640
120-12-7	Anthracene	97	J	640
84-74-2	Di-n-butyiphthalate		U	640
206-44-0	Fluoranthene	1000		640
129-00-0	Pyrene	1700		640
85-68-7	Butylbenzylphthalate		U 3	640
91-94-1	3,3'-Dichlorobenzidine		n 2	640
56-55-3	Benzo(a)anthracene	520	12	640
218-01-9	Chrysene	700	7	640
117-81-7	bis(2-Ethylhexyl)phthalate	250	12	640
117-84-0	Di-n-octylphthalate		0.2	640
205-99-2	Benzo(b)fluoranthene	1000	3	640
207-08-9	Benzo(k)fluoranthene	330	JJ	640
50-32-8	Benzo(a)pyrene	630	12	640
193-39-5	Indeno(1,2,3-cd)pyrene	400	1 <b>2</b>	640
62-75-9	n-Nitrosodimethylamine		<u>∪</u> <u>3</u>	640
53-70-3	Dibenz(a,h)anthracene	180	12	640
191-24-2	Benzo(g,h,i)perylene	390	12	640

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SED-6RE	

						SED-6RE	
Lab Name:	STL Ne	wburgh	:	Contra	act:		
Lab Code:	10142	Ca	ase No.:	SAS	3 No.:	_ SDG No.: <u>237</u>	194
Matrix: (soil/w	vater)	SOIL			Lab Sample	ID: <u>237194-017</u>	RE
Sample wt/vo	oi:	30.91	(g/ml) G		Lab File ID:	E72206.D	
Level: (low/m	ned)	LOW			Date Receive	ed: 6/11/2004	
· ·			anted: (Y/N)	N	Date Extract	ed: <u>6/23/2004</u>	
Concentrated			-		Date Analyze	ed: 6/25/2004	<u></u>
Injection Volu	ıme: <u>2.</u>	0 (uL)	· · · ·		Dilution Fact	or: <u>1.0</u>	<del></del>
GPC Cleanur	o: (Y/N)	N	pH: <u>6.54</u>				
				CONCE	ENTRATION (	UNITS:	
Number TICs	found:	1		(ug/L o	r ug/Kg) <u>l</u>	JG/KG	
		<del></del>		•		FOT CONC	0
CAS NUMB	ER	COMPO	JND NAME		RT	EST. CONC.	Q
1. 000123	3-42-2	2-Pentano	ne, 4-hydroxy-4	-methyl	5.24	31000	JN

000123-42-2

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

L-2			

Lab Name:	STL Ne	whurah		Contract:	L-2
rap lysine.	SILING				0701 007404
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	WATER	<del></del>	Lab Sample I	D: 237194-019
Sample wt/vo	ol:	930.0	(g/ml) ML	Lab File ID:	S30190.D
Level: (low/n	ned)	LOW	<del>_</del>	Date Receive	d: 6/11/2004
% Moisture:		dec	canted:(Y/N)	N Date Extracte	d: 6/16/2004
Concentrated	Extract	Volume:	1000 (uL)	Date Analyzed	d: 6/23/2004
Injection Volu	ıme: 2.	.0 (uL)	_	Dilution Facto	r: <u>1.0</u>
GPC Cleanu	-	N	pH:	Units: (ug/L or	rug/Kg) <u>UG/L</u>
CASNO	(	COMPOUN	ח	RES	SULT Q

CAS NO.	COMPOUND	RESULT	Q	RL	
111-44-4	bis(2-Chloroethyl)ether		U	11	
108-95-2	Phenol		U	11	
95-57-8	2-Chiorophenol		U	11	
541-73 <b>-</b> 1	1.3-Dichlorobenzene		U	11	
106-46-7	1.4-Dichlorobenzene		U	11	
95-50-1	1.2-Dichlorobenzene		U	11	
100-51-6	Benzyl alcohol		U	11	
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11	
95-48-7	2-Methylphenol		U	11	
67-72-1	Hexachloroethane		U	11	
621-64-7	N-Nitroso-di-n-propylamine		Ų	11	
106-44-5	4-Methylphenol		U	11	
98-95-3	Nitrobenzene		U	11	
78-59-1	Isophorone		U	11	
88-75-5	2-Nitrophenol		U	11	
105-67-9	2,4-Dimethylphenol		U	11	
111-91-1	bis(2-Chloroethoxy)methane		U	11	
120-83-2	2,4-Dichiorophenol		U	11	
120-82-1	1,2,4-Trichlorobenzene		J	11	
91-20-3	Naphthalene		U	11	
106-47-8	4-Chloroaniline		U	11	
87-68-3	Hexachlorobutadiene		U	11	
59-50-7	4-Chloro-3-methylphenol		U	11	
91-57-6	2-Methylnaphthalene		U	11	
77-47-4	Hexachiorocyclopentadiene		U	11	
88-06-2	2,4,6-Trichlorophenol		U	11	
95-95-4	2,4,5-Trichlorophenol		U	54	
91-58-7	2-Chloronaphthalene	_	<u> </u>	11	
88-74-4	2-Nitroaniline		U	27	
208-96-8	Acenaphthylene		<u> </u>	11	
131-11-3	Dimethylphthalate		<u> </u>	11	
606-20-2	2,6-Dinitrotoluene		U	11	
83-32-9	Acenaphthene		U	11	
99-09-2	3-Nitroaniline		U	27	
51-28-5	2,4-Dinitrophenol		U	27	
132-64-9	Dibenzofuran		U	11	
121-14-2	2,4-Dinitrotoluene		U	11	

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1	EPA SAMPLE NO.
ſ	1.2

Lab Mamas	STL Ne	whurah	C	ontract:	L-2
Lab Name:	SIT ME	wholdi	—		
Lab Code:	10142	Case No.:		SAS No.:S	DG No.: 237194
Matrix: (soil/v	vater)	WATER		Lab Sample ID:	237194-019
Sample wt/vo	ol:	930.0 (g/ml) ML		Lab File ID:	S30190.D
Level: (low/m	ned)	LOW		Date Received:	6/11/2004
% Moisture:		decanted:(Y/N)	N	Date Extracted:	6/16/2004
Concentrated	Extract	 Volume: 1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	ıme: 2.	0 (uL)		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	 NpH:	_	Units: (ug/L or u	g/Kg) UG/L
CAS NO.	C	COMPOUND		RESU	LT Q

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	27
86-73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U	27
534-52-1	4,6-Dinitro-2-methylphenol		U	27
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		- U	11
118-74-1	Hexachlorobenzene		U	11
87-86-5	Pentachlorophenol		U	27
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		. U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		٠٠	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U	11
117-81-7	bis(2-Ethylhexyl)phthalate	2	J₽ď	11
117-84-0	Di-n-octylphthalate		Ú <b>3</b>	11
205-99-2	Benzo(b)fluoranthene		0.2	11
207-08-9	Benzo(k)fluoranthene		η 2	11
50-32-8	Benzo(a)pyrene		UJ	11
193-39-5	Indeno(1,2,3-cd)pyrene		UJ	11
62-75-9	n-Nitrosodimethylamine		U 3	11
53-70-3	Dibenz(a,h)anthracene		0.2	11
191-24-2	Benzo(g,h,i)perylene		UJ	11

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
L-2	

Lab Name:	STL Nev	vburgh		0	Contract:	
Lab Code:	10142	Ca	ase No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/w	/ater)	WATER			Lab Sample II	D: 237194-019
Sample wt/vo	l:	930.0	(g/ml) ML		Lab File ID:	S30190.D
Level: (low/m		LOW	<del>-</del>		Date Receive	d: 6/11/2004
% Moisture:		dec	anted: (Y/N)	Ν	Date Extracte	d: 6/16/2004
Concentrated	Extract \	 √olume:	1000 (uL)		— Date Analyzed	i: 6/23/2004
Injection Volu			<del></del>		Dilution Facto	r: 1.0
GPC Cleanup		N	рН:			

#### **CONCENTRATION UNITS:**

Number TICs found	:8	(ug/L or ug/Kg)	UG/L	1 -
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1	Unknown	6.13	2	J
2	C11H18 isomer	18.27	2	J
3.	Unknown	18.63	2	J
4	Unknown CnH2n+2	20.11	7	J
5.	Unknown CnH2n+2	21.47	12	J
6.	Unknown CnH2n+2	22.72	33	J
7.	Unknown	23.31	3	J
	+		1	18.1

Dotriacontane

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	L-2RE
1	-

Lab Name:	STL Nev	wburgh		c	Contract:	_
Lab Code:	10142	c	ase No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/w	ater)	WATER			Lab Sample ID:	237194-019RE
Sample wt/vo	l:	930.0	(g/ml) ML		Lab File ID:	S30194.D
Level: (low/m	ed)	LOW	<del></del>		Date Received:	6/11/2004
% Moisture:		de	ecanted:(Y/N)	N	Date Extracted:	6/16/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/23/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	: (Y/N)	N N	pH:	_	Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	11
541-73-1	1,3-Dichlorobenzene		U	11
106-46-7	1,4-Dichlorobenzene		U	11
95-50-1	1,2-Dichiorobenzene		U	11
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U_	11
621-64-7	N-Nitroso-di-n-propylamine		U	11
106-44-5	4-Methylphenol		<u> </u>	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U	11
88-75-5	2-Nitrophenol		U	11
105-67-9.	2,4-Dimethylphenol		U	11
111-91-1	bis(2-Chloroethoxy)methane		U	11
120-83-2	2,4-Dichlorophenol		U	11
120-82-1	1,2,4-Trichlorobenzene		U	11
91-20-3	Naphthalene		U	11
106-47-8	4-Chloroaniline	•	U	11
87-68-3	Hexachlorobutadiene		U	11
59-50-7	4-Chloro-3-methylphenol		U	11
91-57-6	2-Methylnaphthalene		U	11
77-47-4	Hexachlorocyclopentadiene		UR	11
88-06-2	2,4,6-Trichlorophenol		U	11
95-95-4	2,4,5-Trichlorophenol		U	54
91-58-7	2-Chloronaphthalene		U	11
88-74-4	2-Nitroaniline		U	27
208-96-8	Acenaphthylene		U	11
131-11-3	Dimethylphthalate		U	11
606-20-2	2,6-Dinitrotoluene		<u>U_</u>	11
83-32-9	Acenaphthene		U	11
99-09-2	3-Nitroaniline		U	27
51-28-5	2,4-Dinitrophenol		U	27
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene		U	11

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EPA SAMPLE NO.

L-2RE
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S	EMIVOLATILE ORGANICS AN	ALISIS DATA SHEE	'   L-2	RF	ĺ
Lab Name: STL N	ewburgh	Contract:	[		
Lab Code: 10142	Case No.:	SAS No.:	SDG N	o.: <u>2371</u>	94
Matrix: (soil/water)		Lab Sample			
	930.0 (g/ml) ML	Lab File ID:	S301	94.D	
Level: (low/med)	<del></del>	Date Receive	d: 6/11/	2004	
	·	Date Extracte	ed: 6/16/	2004	
	et Volume: 1000 (uL)	 Date Analyze	d: 6/23/	2004	
Injection Volume:		Dilution Facto	•••••		<del></del>
illiaction Aginties	2.0 (UL)				<del></del>
GPC Cleanup: (Y/N)	NpH:	Units: (ug/L o	r ug/Kg)	UG/L_	
CAS NO.	COMPOUND	RES	SULT	Q	RL
100-02-7	4-Nitrophenol			U	27
86-73-7	Fluorene			<u> </u>	11
7005-72-3	4-Chlorophenyi-phenylether			U	11
84-66-2	Diethylphthalate			U	11_
100-01-6	4-Nitroaniline			<u> </u>	27
534-52-1	4,6-Dinitro-2-methylphenol			U	27
86-30-6	n-Nitrosodiphenylamine (1)			U	11
101-55-3	4-Bromophenyl-phenylether			<u> </u>	11
118-74-1	Hexachlorobenzene			U	11
87-86-5	Pentachlorophenol			<u> </u>	27
85-01 <b>-</b> 8	Phenanthrene			U	11
120-12-7	Anthracene			U	11
84-74-2	The second distribution of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the			<u> </u>	11
206-44-0	Fluoranthene			U	11
129-00-0	Pyrene			U	11
85-68-7	Butylbenzylphthalate			U	11

120-12-7	Anthracene		U	11
84-74-2	Di-n-bulylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U	11
117-81-7	bis(2-Ethylhexyl)phthalate	2	JØ	11
117-84-0	DI-n-octylphthalate		0.2	11
205-99-2	Benzo(b)fluoranthene		0.2	11
207-08-9	Benzo(k)fluoranthene		0.2	11
50-32-8	Benzo(a)pyrene		<u> </u>	11
193-39-5	Indeno(1,2,3-cd)pyrene		U <b>T</b>	11
62-75-9	n-Nitrosodimethylamine		0.2	11
53-70-3	Dibenz(a,h)anthracene		0.2	11
191-24-2	Benzo(g,h,i)perylene		η 2	11

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
L-2RE	

	ILMIANVELIDEM		00,100		L-2RE		
STL Ne	wburgh	Contract:					
0142	Case No.:	SAS	No.:	S	DG No.: 3	23719	94
iter)	WATER		Lab Sample	e ID:	237194-0	19RE	
	930.0 (g/ml) ML	Lab File ID: S30194.D			)	_	
d)	LOW	Date Received:			6/11/2004		
	<del></del> -	N Date Extracted:		6/16/2004			
			zed:	: 6/23/2004			
ne: 2.	0 (uL)		Dilution Fac	tor:	1.0		-
(Y/N)	NpH:						
CONCENTRATION UNITS:    umber TICs found: 9 (ug/L or ug/Kg) UG/L							
			J 0,				**
R	COMPOUND NAME		RT	ES	ST. CONC.		Q
10-3	Hexadecanolc acid		17.56		3		JN
	C8H12 isomer		18.26				J
	Unknown		18.63				J
	Unknown CnH2n+2		20.10				J
	Unknown CnH2n+2		21.46				<u> </u>
19-7	Heptacosane		22.73		37		JN
11-1	1-Cyclobutylethanol		23.31		3		<u> </u>
	0142 ter) d) Extract e: 2. (Y/N)  ound: R 10-3	O142   Case No.:	Contract	O142         Case No.:         SAS No.:           ter)         WATER         Lab Sample           930.0         (g/ml)         ML         Lab File ID:           d)         LOW         Date Receive           decanted: (Y/N)         N         Date Extract           Extract Volume:         1000         (uL)         Date Analyz           de:         2.0         (uL)         Dilution Factor           (Y/N)         N         pH:           Dound:         9         (ug/L or ug/Kg)           R         CONCENTRATION         (ug/L or ug/Kg)           R         COMPOUND NAME         RT           10-3         Hexadecanoic acid         17.56           C8H12 isomer         18.26           Unknown         18.63           Unknown CnH2n+2         20.10           Unknown CnH2n+2         21.46           19-7         Heptacosane         22.73	Contract:	Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Contract:   Cont	Contract:   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Case   Ca

8.

9.

Unknown

Unknown CnH2n+2

23.42

23.88

3

### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA S	AMPL	.E 1	10.
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SS-6
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Lab Name:	STL Nev	wburgh		c	ontract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: <u>237194</u>
Matrix: (soil/v	vater)	SOIL	<del></del>		Lab Sample ID:	237194-020
Sample wt/vo	ol:	30.27	(g/ml) <u>G</u>		Lab File ID:	E72190.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	28.7		decanted:(Y/N)	Ν	_ Date Extracted:	6/23/2004
Concentrated	Extract \	√olume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: 2.	0(uL)	)		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 6.09	_	Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U_	460
108-95-2	Phenol	1700		460
95-57-8	2-Chlorophenol		U	460
541-73-1	1,3-Dichlorobenzene		U	460
106-46-7	1.4-Dichlorobenzene		Ŭ	460
95-50-1	1,2-Dichlorobenzene		U	460
100-51-6	Benzyl alcohol		U	460
108-60-1	2,2'-oxybis(1-Chloropropane)		U	460
95-48-7	2-Methylphenol	670		460
67-72-1	Hexachloroethane		U	460
621-64-7	N-Nitroso-di-n-propylamine		U	460
106-44-5	4-Methylphenol	400	J	460
98-95-3	Nitrobenzene		U	460
78-59-1	Isophorone		U	460
88-75-5	2-Nitrophenol		U	460
105-67-9	2,4-Dimethylphenol	300	J	460
111-91-1	bis(2-Chloroethoxy)methane		U	460
120-83-2	2,4-Dichlorophenol		U	460
120-82-1	1,2,4-Trichlorobenzene		U	460
91-20-3	Naphthalene	2000		460
106-47-8	4-Chloroaniline		U	460
87-68-3	Hexachlorobutadiene		U	460
59-50-7	4-Chloro-3-methylphenol		U	460
91-57-6	2-Methylnaphthalene	2900		460
77-47-4	Hexachlorocyclopentadiene		UR	460
88-06-2	2,4,6-Trichlorophenol		U	460
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U	460
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	460
131-11-3	Dimethylphthalate		U	460
606-20-2	2,6-Dinitrotoluene		U	460
83-32-9	Acenaphthene	140	J	460
99-09-2	3-Nitroaniline		<u> U</u>	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	350	J	460
121-14-2	2,4-Dinitrotoluene		U	460

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3/90 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

F	PΑ	SA	MP	LE	NO.
-	, , ,	· · ·	11711		110

Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142		Case No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237194-020
Sample wt/vc	ol:	30.27	(g/ml) G		Lab File ID:	E72190.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	28.7		decanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	ıme: 2.	0 (uL	)		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 6.09		Units: (ug/L or ug	g/Kg) <u>UG/KG</u>

RL RESULT Q CAS NO. COMPOUND

	·			4000
100-02-7	4-Nitrophenol		U	1200
86-73-7	Fluorene	190	J	460
7005-72-3	4-Chlorophenyl-phenylether		U	460
84-66-2	Diethylphthalate		U	460
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	460
101-55-3	4-Bromophenyl-phenylether		U	460
118-74-1	Hexachlorobenzene		U	460
87-86-5	Pentachlorophenol		U	1200
85-01-8	Phenanthrene	1400		460
120-12-7	Anthracene	390	J	460
84-74-2	Di-n-butylphthalate		U	460
206-44-0	Fluoranthene	940		460
129-00-0	Pyrene	1100		460
85-68-7	Butylbenzylphthalate		U	460
91-94-1	3,3'-Dichlorobenzidine		U	460
56-55-3	Benzo(a)anthracene	450	J	460
218-01-9	Chrysene	470		460
117-81-7	bis(2-Ethylhexyl)phthalate	530		460
117-84-0	Di-n-octylphthalate	69	্ , ন	460
205-99-2	Benzo(b)fluoranthene	540	រា	460
207-08-9	Benzo(k)fluoranthene	190	JJ	460
50-32-8	Benzo(a)pyrene	340	JJ	460
193-39-5	Indeno(1,2,3-cd)pyrene	100	7.2	460
62-75-9	n-Nitrosodimethylamine		UJ	460
53-70-3	Dibenz(a,h)anthracene	54	J 2	460
191-24-2	Benzo(g,h,i)perylene	110	J 3	460

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SS-6	

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh	c	ontract:	
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	water)	SOIL		Lab Sample ID:	237194-020
Sample wt/vo	ol:	30.27 (g/ml) G		Lab File ID:	E72190.D
Level: (low/n	ned)	LOW		Date Received:	6/11/2004
% Moisture:	28.7	decanted: (Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract	 Volume: 1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	ıme; 2.0	) (uL)		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N pH: 6.09			

### **CONCENTRATION UNITS:**

Number TICs found:	20	(ug/L or ug/Kg)	UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.42	54000	JN
2.	Unknown	9.67	510	J
3.	Benzene isomer	11.46	660	J
4. 000090-12-0	Naphthalene, 1-methyl-	11.94	1500	JN
5,	dimethyl Naphthalene isomer	13.02	400	J
6.	dimethyl Naphthalene isomer	13.16	480	J
7.	dimethyl Naphthalene isomer	13.38	460	J
8. 000544-76-3	Hexadecane	14.82	730	JN
9.	Unknown CnH2n+2	15.26	530	J
10. 000629-78-7	Heptadecane	15.79	2200	JN
11.	Unknown CnH2n+2	15.82	1200	ال
12. 000593-45-3	Octadecane	16.70	2100	JN
13.	Unknown CnH2n+2	16.76	1700	J
14. 001921-70-6	Pentadecane, 2,6,10,14-tetramet	17.06	470	JN
15. 86-74-8	Carbazole	17.35	170	JN
16. 000629-92-5	Nonadecane	17.57	1800	JN
17.	methyl Anthracene isomer	18.07	450	J
18. 000112-95-8	Eicosane	18.39	1000	JN
19. 000629-94-7	Heneicosane	19.15	760	JN
20.	Unknown Hexanedioic acid	21.30	15000	J

NJDEP 73015

3/90

### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EF	Ά	SA	MF	LE	NO.	

Lab Name:	STL Nev	wburgh		C	ontract:	SS-6RE	
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237194	~
Matrix: (soil/w	vater)	SOIL	<del></del>		Lab Sample	ID: <u>237194-020RE</u>	_
Sample wt/vo	ol:	30.27	(g/ml) G		Lab File ID:	E72207.D	
Level: (low/m	ned)	LOW	<u></u>		Date Receiv	ved: 6/11/2004	
% Moisture:	28.7	de	canted:(Y/N)	N	_ Date Extrac	eted: 6/23/2004	
Concentrated	Extract	Volume:	1000 (uL)		Date Analyz	zed: 6/25/2004	
injection Volu	me: 2.	0 (uL)			Dilution Fac	etor: 1.0	
GPC Cleanup	o: (Y/N)	N	pH: 6.09	_	Units: (ug/L	or ug/Kg) UG/KG	

CAS NO. COMPOUND		RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	460
108-95-2	Phenol	2000		460
95-57-8	2-Chiorophenol		U	460
541 <b>-</b> 73-1	1,3-Dichlorobenzene		U	460
106-46-7	1,4-Dichlorobenzene		Ü	460
95-50-1	1,2-Dichlorobenzene		U	460
100-51-6	Benzyl alcohol		U	460
108-60-1	2,2'-oxybis(1-Chloropropane)		U	460
95-48-7	2-Methylphenol	690		460
67-72-1	Hexachloroethane		U	460
621-64-7	N-Nitroso-di-n-propylamine		U	460
106-44-5	4-Methylphenol	410	J	460
98-95-3	Nitrobenzene		U	460
78-59-1	Isophorone		U	460
88-75-5	2-Nitrophenol		U	460
105-67-9	2,4-Dimethylphenol	320	J	460
111-91-1	bis(2-Chloroethoxy)methane		U	460
120-83-2	2,4-Dichlorophenol		U	460
120-82-1	1,2,4-Trichlorobenzene	·	U	460
91-20-3	Naphthalene	2100		460
106-47-8	4-Chioroaniline		U	460
87-68-3	Hexachlorobutadiene		U	460
59-50-7	4-Chloro-3-methylphenol		U	460
91-57-6	2-Methylnaphthalene	3000		460
77-47-4	Hexachlorocyclopentadiene		UR	460
88-06-2	2,4,6-Trichlorophenol		U	460
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U	460
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	460
131-11-3	Dimethylphthalate		U	460
606-20-2	2,6-Dinitrotoluene		U	460
83-32-9	Acenaphthene	130	J	460
99-09-2	3-Nitroaniline		U	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	340	J	460
121-14-2	2,4-Dinitrotoluene		U	460

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3/90 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E.	NO.
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	SS-6RE	
_ 1		

Lab Name:	STL Ne	wburgh			C	ontract:			
Lab Code:	10142	C	ase No.	•		SAS No.:	SE	OG No.: 237194	
Matrix: (soil/v	vater)	SOIL				Lab Sample	ID:	237194-020RE	
Sample wt/vo	ol:	30.27	_ (g/m	I) <u>G</u>		Lab File ID:		E72207.D	
Level: (low/m	ned)	LOW				Date Receive	ed: 🖠	6/11/2004	
% Moisture:	28.7	de	canted:	:(Y/N) _	N	_ Date Extracte	ed: 🧐	6/23/2004	
Concentrated	Extract '	Volume:	1000	(uL)		Date Analyze	ed: <u>(</u>	6/25/2004	
Injection Volu	me: 2.	0 (uL)				Dilution Facto	or: ˈ	1.0	
GPC Cleanup	o: (Y/N)	N	pH:	6.09		Units: (ug/L c	r ug/	/Kg) UG/KG	_

CAS NO. COMPOUND		RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1200
86-73-7	Fluorene	190	J	460
7005-72-3	4-Chlorophenyl-phenylether		U	460
84-66-2	Diethylphthalate		U	460
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	460
101-55-3	4-Bromophenyl-phenylether		U	460
118-74-1	Hexachlorobenzene		U	460
87-86-5	Pentachlorophenol		U	1200
85-01-8	Phenanthrene	1500		460
120-12-7	Anthracene	380	J	460
84-74-2	Di-n-butylphthalate		U	460
206-44-0	Fluoranthene	860		460
129-00-0	Pyrene	1400		460
85-68-7	Butylbenzylphthalate		U	460
91-94-1	3,3'-Dichlorobenzidine		U	460
56-55-3	Benzo(a)anthracene	450	J	460
218-01-9	Chrysene	460		460
117-81-7	bis(2-Ethylhexyl)phthalate	690		460
117-84-0	Di-n-octylphthalate	79	12	460
205-99-2	Benzo(b)fluoranthene	500	า	460
207-08-9	Benzo(k)fluoranthene	190	J 3	460
50-32-8	Benzo(a)pyrene	350	1 2	460
193-39-5	indeno(1,2,3-cd)pyrene	150	12	460
62-75-9	n-Nitrosodimethylamine		U 7	460
53-70-3	Dibenz(a,h)anthracene	57	1 <u>2</u> ∩ <u>2</u>	460
191-24-2	Benzo(g,h,i)perylene	150	12	460

3/90 M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	EPA SAMPLE	NO.
1		
Į	CC CDE	

Lab Name:	STL Ne	wburgh		ċ	Contract:	
Lab Code:	10142	С	ase No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Sample ID	: 237194-020RE
Sample wt/vo	ol:	30.27	 (g/ml) G		Lab File ID:	E72207.D
Level: (low/n		LOW	<u> </u>		Date Received	6/11/2004
% Moisture:	28.7	de	_ canted: (Y/N)	N	Date Extracted	: 6/23/2004
Concentrated	Extract	 Volume:	1000 (uL)		— Date Analyzed:	6/25/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanut		` / N	р <b>Н:</b> 6.09			

### **CONCENTRATION UNITS:**

Number TICs found:	20	(ug/L or ug/Kg)	UG/KG
			-

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.40	54000	JN
2.	Unknown	9.65	600	J
3.	Benzene isomer	11.44	480	J
4. 000090-12-0	Naphthalene, 1-methyl-	11.92	1 <u>500</u>	JN
5.	dimethyl Naphthalene isomer	13.00	400	J
6.	dimethyl Naphthalene isomer	13.15	490	J
7, 000571-58-4	Naphthalene, 1,4-dimethyl-	13.36	470	JN
8. 000544-76-3	Hexadecane	14.80	730	JN
9.	Unknown CnH2n+2	15.24	540	J
10. 000629-78-7	Heptadecane	15.77	2900	JN
11. 017081-50-4	Pentadecane, 2,6,10,13-tetramet	15.80	700	JN
12. 000593-45-3	Octadecane	16.68	2200	JN
13. 000638-36-8	Hexadecane, 2,6,10,14-tetrameth	16.75	1800	JN
14.	Unknown CnH2n+2	17.04	470	J
15, 86-74-8	Carbazole	17.35	160	JN
16. 000629-92-5	Nonadecane	17.55	1800	JN
17.	methyl Anthracene isomer	18.05	510	J
18. 000112-95-8	Eicosane	18.37	1100	JN
19. 000629-94-7	Heneicosane	19.14	800	JN
20.	Unknown Hexanedioic acid	21.29	930	J

### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO.
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	SS-7	
Į		

Lab Name:	STL Ne	wburgh		C	ontract:	
Lab Code:	10142	Ca	ase No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL	_		Lab Sample ID:	237194-021
Sample wt/vo	ol:	30.98	(g/ml) <u>G</u>		Lab File ID:	E72191.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	32.8	de	canted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanur	 o: (Y/N)	 N	pH: 6.69		Units: (ug/L or ug	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	480
108-95-2	Phenol	72	J	480
95-57-8	2-Chlorophenol		U	480
541-73-1	1,3-Dichlorobenzene		U	480
106-46-7	1,4-Dichlorobenzene		U	480
95-50-1	1,2-Dichlorobenzene		U	480
100-51-6	Benzyl alcohol		U	480
108-60-1	2,2'-oxybis(1-Chloropropane)		U	480
95-48-7	2-Methylphenol	96	j	480
67-72-1	Hexachloroethane		U	480
621-64-7	N-Nitroso-di-n-propylamine		U	480
106-44-5	4-Methylphenol	150	J	480
98-95-3	Nitrobenzene		U	480
78-59-1	Isophorone		U	480
88-75-5	2-Nitrophenol		U	480
105-67-9	2.4-Dimethylphenol		C	480
111-91-1	bis(2-Chloroethoxy)methane		U	480
120-83-2	2,4-Dichlorophenol		Ü	480
120-82-1	1,2,4-Trichlorobenzene		U	480
91-20-3	Naphthalene	240	J	480
106-47-8	4-Chloroaniline		U	480
87-68-3	Hexachlorobutadiene		U	480
59-50-7	4-Chloro-3-methylphenol		U	480
91-57-6	2-Methylnaphthalene	270	J	480
77-47-4	Hexachlorocyclopentadiene		UR	480
88-06-2	2,4,6-Trichlorophenol		U	480
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U	480
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	480
131-11-3	Dimethylphthalate		U	480
606-20-2	2,6-Dinitrotoluene		U	480
83-32-9	Acenaphthene		U	480
99-09-2	3-Nitroaniline		U	1200
51-28-5	2.4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	98	J	480
121-14-2	2,4-Dinitrotoluene		U	480

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
20.5		

Lab Name:	STL Nev	vburgh		. <u></u> .	Contract:	
Lab Code:	10142	C	ase No.: _		SAS No.:	SDG No.: 237194
Matrix: (soil/w	vater)	SOIL			Lab Sample IC	237194-021
Sample wt/vo	ol:	30.98	_ (g/ml) <u>(</u>	3	Lab File ID:	E72191.D
Level: (low/m	ned)	LOW	_		Date Received	: 6/11/2004
% Moisture:	32.8	de	canted:(Y/	N) <u>N</u>	Date Extracted	: 6/23/2004
Concentrated	Extract \	/olume:	1000 (L	ıL)	Date Analyzed	6/24/2004
Injection Volu	me: 2.6	) (uL)			Dilution Factor:	1.0
GPC Cleanup	): (Y/N)	N	pH: <u>6.6</u>	9	Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1200
86-73-7	Fluorene	53	J	480
7005-72-3	4-Chlorophenyl-phenylether		U	480
84-66-2	Diethylphthalate		U	480
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	480
101-55-3	4-Bromophenyl-phenylether		U	480
118-74-1	Hexachlorobenzene		U	480
87-86-5	Pentachlorophenol		J	1200
85-01-8	Phenanthrene	610		480
120-12-7	Anthracene	130	J	480
84-74-2	Di-n-butyiphthalate		U	480
206-44-0	Fluoranthene	660		480
129-00-0	Pyrene	830		480
85-68-7	Butylbenzylphthalate		U	480_
91-94-1	3,3'-Dichlorobenzidine		U	480
56-55-3	Benzo(a)anthracene	340_	J	480
218-01-9	Chrysene	390	J	480
117-81-7	bis(2-Ethylhexyl)phthalate	550		480
117-84-0	Di-n-octylphthalate		บโ	480
205-99-2	Benzo(b)fluoranthene	510	J	480
207-08-9	Benzo(k)fluoranthene	210	12	480
50-32-8	Benzo(a)pyrene	320	1 7	480
193-39-5	Indeno(1,2,3-cd)pyrene	130		480
62-75-9	n-Nitrosodimethylamine		U <b>J</b>	480
53-70-3	Dibenz(a,h)anthracene	70	JJ	480
191-24-2	Benzo(g,h,i)perylene	150	12	480

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

E	PA SAMPLE	NO.
Ţ	S-7	

48000

5.36

Lab Name:	STL Ne	wburgh	Contrac	xt:		
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: <u>237</u>	194
Matrix: (soil/v	vater)	SOIL		Lab Sample	ID: <u>237194-021</u>	
Sample wt/vo		30.98 (g/ml) G		Lab File ID:	E72191.D	
Level: (low/n		LOW		Date Receiv	/ed: 6/11/2004	
% Moisture:	32.8	decanted: (Y/N)	<u>N</u>	Date Extrac	ted: 6/23/2004	
Concentrated	i Extract	Volume: 1000 (uL)	1	Date Analyz	red: 6/24/2004	
Injection Volu		•	1	Dilution Fac	tor: 1.0	
GPC Cleanu	p: (Y/N)	N pH: <u>6.69</u>	-			
			CONCE	NTRATION	UNITS:	
Number TICs	found:	1	(ug/L or	ug/Kg)	UG/KG	··
CAS NUMB	ER	COMPOUND NAME	•	RT	EST. CONC.	Q

2-Pentanone, 4-hydroxy-4-methyl

1. 000123-42-2

### 1B

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SS-7RE

Lab Name:	STL Nev	vburgh		Contract:	
Lab Code:	10142	Case No		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample II	D: <u>237194-021RE</u>
Sample wt/vo	ol:	30.98 (g/n	ni) <u>G</u>	Lab File ID:	E72208.D
Level: (low/n	ned)	LOW		Date Received	d: 6/11/2004
% Moisture:	32.8	decanted	i:(Y/N)N	Date Extracted	d: 6/23/2004
Concentrated	Extract	/olume: 1000	_ (uL)	Date Analyzed	i: <u>6/25/2004</u>
Injection Volu	me: <u>2.</u>	0(uL)		Dilution Factor	r: <u>1.0</u>
GPC Cleanur	o: (Y/N)	N pH:	6.69	Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	480
108-95-2	Phenoi	72	J	480
95-57-8	2-Chlorophenol		U_	480
541-73-1	1.3-Dichlorobenzene		U	480
106-46-7	1,4-Dichlorobenzene		U	480
95-50-1	1,2-Dichlorobenzene		U	480
100-51-6	Benzyl alcohol		U	480
108-60-1	2,2'-oxybis(1-Chloropropane)		U	480
95-48-7	2-Methylphenol	96	J	480_
67-72-1	Hexachloroethane		U	480
621-64-7	N-Nitroso-di-n-propylamine		U	480
106-44-5	4-Methylphenol	140	J	480
98-95-3	Nitrobenzene		U	480
78-59-1	Isophorone		U	480
88-75-5	2-Nitrophenol		U_	480
105-67-9	2,4-Dimethylphenol		U	480
111-91-1	bis(2-Chloroethoxy)methane		U	480
120-83-2	2,4-Dichlorophenol		U	480
120-82-1	1,2,4-Trichlorobenzene		U	480
91-20-3	Naphthalene	250	J	480
106-47-8	4-Chloroaniline		U	480
87-68-3	Hexachlorobutadiene		U	480
59-50-7	4-Chloro-3-methylphenol		U	480
91-57-6	2-Methylnaphthalene	270	J	480
77-47-4	Hexachlorocyclopentadiene		UR	480
88-06-2	2,4,6-Trichlorophenol		U	480
95-95-4	2.4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U	480
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	480
131-11-3	Dimethylphthalate		U	480
606-20-2	2,6-Dinitrotoluene		U	480
83-32-9	Acenaphthene		U	480
99-09-2	3-Nitroaniline		U	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	94	J	480
121-14-2	2,4-Dinitrotoluene		U	480

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMP	LE	NO.
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	SS-7RE	
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Lab Name:	STL Ne	wburgh		c	contract:	
Lab Code:	10142	Ca	ase No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	water)	SOIL			Lab Sample ID:	237194-021RE
Sample wt/vo	ol:	30.98	(g/ml) G		Lab File ID:	E72208.D
Levei: (low/r		LOW	_		Date Received:	6/11/2004
% Moisture:	32.8	de	canted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	d Extract	— Volume:	1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu		.0 (uL)			Dilution Factor:	1.0
GPC Cleanu		N _	pH: 6.69		Units: (ug/L or u	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	1200
86-73-7	Fluorene	51	J	480
7005-72-3	4-Chlorophenyl-phenylether		U	480
84-66-2	Diethylphthalate		U	480
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	480
101-55-3	4-Bromophenyl-phenylether		U	480
118-74-1	Hexachlorobenzene		U	480
87-86-5	Pentachiorophenol		U	1200
85-01-8	Phenanthrene	610		480
120-12-7	Anthracene	120	J	480
84-74-2	Di-n-butylphthalate		U	480
206-44-0	Fluoranthene	580		480
129-00-0	Pyrene	1100		480
85-68-7	Butylbenzylphthalate		<u> </u>	480
91-94-1	3,3'-Dichlorobenzidine		U 3	480
56-55-3	Benzo(a)anthracene	330	7.7	480
218-01-9	Chrysene	400	12	480
117-81-7	bis(2-Ethylhexyl)phthalate	700	7	480
117-84-0	Di-n-octylphthalate		ប្រ	480
205-99-2	Benzo(b)fluoranthene	530	7	480
207-08-9	Benzo(k)fluoranthene	160	J 2	480
50-32-8	Benzo(a)pyrene	310	12	480
193-39-5	Indeno(1,2,3-cd)pyrene	170	1 2	480
62-75-9	n-Nitrosodimethylamine			480
53-70-3	Dibenz(a,h)anthracene	77	17	480
191-24-2	Benzo(g,h,i)perylene	150	12	480



# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

JN

440

					(SS-7RE
Lab Name:	STL Ne	wburgh	Contra	oct:	
Lab Code:	10142	Case No.:	SAS	8 No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample	ID: 237194-021RE
Sample wt/vc	ol:	30.98 (g/ml) G		Lab File ID:	E72208.D
Level: (low/n	ned)	LOW		Date Receive	ed: 6/11/2004
•		decanted: (Y/N)	N	Date Extracte	ed: 6/23/2004
Concentrated	Extract	Volume: 1000 (uL)		Date Analyze	ed: 6/25/2004
Injection Volu	ıme: <u>2.</u>	0 (uL)		Dilution Facto	or: 1.0
GPC Cleanur	o: (Y/N)	N pH: 6.69	_		
			CONCE	NTRATION (	JNITS:
Number TICs	found:	2	(ug/L or	ug/Kg) L	JG/KG
CAS NUMB	ER	COMPOUND NAME	•	RT	EST. CONC. Q
1 000123	3-42-2	2-Pentanone 4-hydroxy-	4-methyl	5.37	48000 JN

2-Pentanone, 4-hydroxy-4-methyl

Heptadecane

000123-42-2

5.37

15.74

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-8	•
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Lab Name:	STL Nev	vburgh		c	Contract:	_
Lab Code:	10142	с	ase No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237194-022
Sample wt/vo	ol:	30.89	(g/ml) <u>G</u>		Lab File ID:	E72192.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	31.6	de	ecanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: 2.0	) (uL)	-		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: <u>7</u>		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	470
108-95-2	Phenol	260	J	470
95-57-8	2-Chlorophenol		U	470
541-73-1	1,3-Dichlorobenzene		U	470
106-46-7	1.4-Dichlorobenzene		U	470
95-50-1	1,2-Dichlorobenzene		U	470
100-51-6	Benzyl alcohol		U	470
108-60-1	2,2'-oxybis(1-Chloropropane)		U	470
95-48-7	2-Methylphenol	51	J	470
67-72-1	Hexachloroethane		U	470
621-64-7	N-Nitroso-di-n-propylamine		٦	470
106-44-5	4-Methylphenol			470
98-95-3	Nitrobenzene		U	470
78-59-1	Isophorone		U	470
88-75-5	2-Nitrophenol		U	470
105-67-9	2,4-Dimethylphenol		U	470
111-91-1	bis(2-Chloroethoxy)methane		U	470
120-83-2	2,4-Dichlorophenol		U	470
120-82-1	1,2,4-Trichlorobenzene		U _	470
91-20-3	Naphthalene	290	J	470
106-47-8	4-Chloroaniline		U	470
87-68-3	Hexachlorobutadiene		U	470
59-50-7	4-Chloro-3-methylphenol		U	470
91-57-6	2-Methylnaphthalene	250	J	470
77-47-4	Hexachlorocyclopentadiene		UR	470
88-06-2	2,4,6-Trichlorophenol		U Ì	470
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chioronaphthalene		U	470
88-74-4	2-Nitroanlline		U	1200
208-96-8	Acenaphthylene		U	470
131-11-3	Dimethylphthalate		U	470
606-20-2	2.6-Dinitrotoluene		U	470
83-32-9	Acenaphthene		U	470
99-09-2	3-Nitroaniline		U	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	55	J	470
121-14-2	2,4-Dinitrotoluene		U _	470

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### EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

S-8
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	•	3	SS-8	
Lab Name: ST	L Newburgh	Contract:		
Lab Code: 10	142 Case No.:	SAS No.: SDG	No.: <u>23719</u>	4
Matrix: (soil/wate	r) <u>SOIL</u>	Lab Sample ID: 237	7194-022	
Sample wt/vol:	30.89 (g/ml) G	Lab File ID: E7:	2192.D	_
Level: (low/med)	LOW	Date Received: 6/1	1/2004	
•	31.6 decanted:(Y/N) N	Date Extracted: 6/2	3/2004	-
	<del></del>		<del>-</del>	_
Concentrated Ex	tract Volume: 1000 (uL)	Date Analyzed: 6/2	4/2004	_
Injection Volume:	2.0 (uL)	Dilution Factor: 1.0		_
GPC Cleanup: (Y	/N) N pH: 7	Units: (ug/L or ug/Kg	) <u>UG/KG</u>	
CAS NO.	COMPOUND	RESULT	Q	RL
400.02.7	4-Nitrophenol		U	1200
100-02-7 86-73-7	Fluorene		Ü	470
7005-72-3	4-Chlorophenyl-phenylether		T U	470
84-66-2	Diethylphthalate		U	470
100-01-6	4-Nitroanlline		Ü	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	470
101-55-3	4-Bromophenyl-phenylether		Ü	470
118-74-1	Hexachlorobenzene		U	470
87-86-5	Pentachlorophenol		U	1200
85-01-8	Phenanthrene	200	J	470
120-12-7	Anthracene		U	470
84-74-2	Di-n-butylphthalate	57	J	.470
206-44-0	Fluoranthene	110	J	470
129-00-0	Pyrene	130	J.	470
85-68-7	Butylbenzylphthalate		U	470
91-94-1	3,3'-Dichlorobenzidine		U	470
56-55-3	Benzo(a)anthracene	52	J	470
218-01-9	Chrysene	75	J	470
117-81-7	bis(2-Ethylhexyl)phthalate	120	J	470
117-84-0	Di-n-octylphthalate		1 <u>2</u>	470
205-99-2	Benzo(b)fluoranthene	94	12	470
207-08-9	Benzo(k)fluoranthene		UJ	470
50-32-8	Benzo(a)pyrene	49	72	470
103-30-5	Indepo(1.2.3-cd)pyrene		0.3	470

SEVERN STL NYSDOH 10142

193-39-5

62-75-9

53-70-3

191-24-2

Indeno(1,2,3-cd)pyrene n-Nitrosodimethylamine

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

470

470

470

<u>U</u> 3

<u>n 2</u>

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SS-8	

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh	Contract:	33-0
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	Lab Sample ID	): 237194-022
Sample wt/vo	ol:	30.89 (g/ml) G	Lab File ID:	E72192.D
Level: (low/m	ned)	LOW	Date Received	l: <u>6/11/2004</u>
% Moisture:	31.6	decanted: (Y/N)	N Date Extracted	l: <u>6/23/2004</u>
Concentrated	Extract	Volume: 1000 (uL)	Date Analyzed	6/24/2004
Injection Volu	me: <u>2.0</u>	) (uL)	Dilution Factor	: 1.0
GPC Cleanup	o: (Y/N)	N pH: 7		

### **CONCENTRATION UNITS:**

Number TICs found:	4	(ug/L or ug/Kg)	UG/KG
		<del></del>	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.35	44000	JN
2. 000629-78-7	Heptadecane	15.75	540	JN
3.	Unknown	23.67	770	J
4.	Unknown CnH2n+2	24.38	950	J

3/90

M-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-8RE	t
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Lab Name:	STL Nev	wburgh_			Contract:		
Lab Code:	10142		Case No.:		_ SAS No	.: S	DG No.: <u>237194</u>
Matrix: (soil/v	vater)	SOIL	_ <del></del>		Lab	Sample ID:	237194-022RE
Sample wt/vo	ol:	30.89	(g/ml) <u>C</u>	3	_ Lab	File ID:	E72209.D
Level: (low/n	ned)	LOW			Dat	e Received:	6/11/2004
% Moisture:	31.6	d	iecanted:(Y/I	N)1	N Dat	e Extracted:	6/23/2004
Concentrated	Extract	Volume:	1000 (u	ıL)	Dat	e Analyzed:	6/25/2004
Injection Volu	ıme: 2.	0 (uL)			Dilu	ition Factor:	1.0
GPC Cleanup	o: (Y/N)	N	_ pH: <u>7</u> _		Uni	ts: (ug/L or ug	g/Kg) <u>UG/KG</u>

CAS NO. COMPOUND		RESULT	Q	RL
111-44-4	bis(2-Chioroethyl)ether		U	470
108-95-2	Phenol	280	J	470
95-57-8	2-Chlorophenol		U	470
541-73-1	1,3-Dichlorobenzene		U	470
106-46-7	1.4-Dichlorobenzene		U	470
95-50-1	1,2-Dichlorobenzene		U	470
100-51-6	Benzyl alcohol		Ų	470
108-60-1	2,2'-oxybis(1-Chloropropane)		U	470
95-48-7	2-Methylphenol	54	J	470
67-72-1	Hexachloroethane		U	470
621-64-7	N-Nitroso-di-n-propylamine		U	470
106-44-5	4-Methylphenol		U	470
98-95-3	Nitrobenzene		U	470
78-59-1	Isophorone		U	470
88-75-5	2-Nitrophenol		U	470
105-67-9	2,4-Dimethylphenol		U	470
111-91-1	bis(2-Chloroethoxy)methane		U	470
120-83-2	2,4-Dichlorophenol		U	470
120-82-1	1,2,4-Trichlorobenzene		U	470
91-20-3	Naphthalene	290	J	470
106-47-8	4-Chioroaniline		U	470
87-68-3	Hexachiorobutadiene		U	470
59-50-7	4-Chloro-3-methylphenol		U	470
91-57-6	2-Methylnaphthalene	250	J	470
77-47-4	Hexachlorocyclopentadiene		UR	470
88-06-2	2,4,6-Trichlorophenol		U	470
95-95-4	2,4,5-Trichlorophenol		U	1200
91-58-7	2-Chloronaphthalene		U	470
88-74-4	2-Nitroaniline		U	1200
208-96-8	Acenaphthylene		U	470
131-11-3	Dimethylphthalate		U	470
606-20-2	2.6-Dinitrotoluene		U	470
83-32-9	Acenaphthene		U	470
99-09-2	3-Nitroaniline		U	1200
51-28-5	2,4-Dinitrophenol		U	1200
132-64-9	Dibenzofuran	57	J	470
121-14-2	2.4-Dinitrotoluene		U	470

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3/00 M-NY049

S	EMIVOLATILE ORGANICS ANA	ALYSIS DATA SHEET	SS-8RE	
Lab Name: STL N	ewburgh	Contract:		
Lab Code: 10142	Case No.:	SAS No.: S	DG No.: 237	194
Matrix: (soil/water)	SOIL	Lab Sample ID:	237194-022F	<u>₹</u>
Sample wt/vol:	30.89 (g/ml) G	Lab File ID:	E72209.D	
Level: (low/med)	LOW	Date Received:	6/11/2004	
% Moisture: 31.	.6 decanted:(Y/N) N	Date Extracted:	6/23/2004	
Concentrated Extrac	t Volume: 1000 (uL)	Date Analyzed:	6/25/2004	•
Injection Volume:	2.0 (uL)	Dilution Factor:	1.0	<del></del>
GPC Cleanup: (Y/N)	N pH: 7	Units: (ug/L or u	g/Kg) <u>UG/KG</u>	
CAS NO.	COMPOUND	RESU	LT Q	RL
100-02-7	4-Nitrophenol		U	1200
86-73-7	Fluorene		U	470
7005-72-3	4-Chlorophenyl-phenylether		U	470
84-66-2	Diethylphthalate		U	470
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	470
101-55-3	4-Bromophenyl-phenylether		U	470
118-74-1	Hexachlorobenzene		U	470

100-02-7	4-Nitrophenol		( U )	1200
86-73-7	Fluorene		U	470
7005-72-3	4-Chlorophenyl-phenylether		U	470
84-66-2	Diethylphthalate		U	470
100-01-6	4-Nitroaniline		U	1200
534-52-1	4,6-Dinitro-2-methylphenol		U	1200
86-30-6	n-Nitrosodiphenylamine (1)		U	470
101-55-3	4-Bromophenyl-phenylether		U	470
118-74-1	Hexachiorobenzene		U	470
87-86-5	Pentachlorophenol		U	1200
85-01-8	Phenanthrene	200	J	470
120-12-7	Anthracene .		U	470
84-74-2	Di-n-butyiphthalate	56	J	470
206-44-0	Fluoranthene	92	J	470
129-00-0	Pyrene	. 180	1.3	470
85-68-7	Butylbenzylphthalate		U .Z	470
91-94-1	3,3'-Dichlorobenzidine		UJ	470
56-55-3	Benzo(a)anthracene		13	470
218-01-9	Chrysene	73		470
117-81-7	bis(2-Ethylhexyl)phthalate	160	12	470
117-84-0	Di-n-octylphthalate		U 2	470
205-99-2	Benzo(b)fluoranthene	93	J 3	470
207-08-9	Benzo(k)fluoranthene		_ U T	470
50-32-8	Benzo(a)pyrene	50	J 3	470
193-39-5	Indeno(1,2,3-cd)pyrene		U <b>J</b>	470
62-75-9	n-Nitrosodimethylamine		n <b>2</b>	470
53-70-3	Dibenz(a,h)anthracene		U <b>3</b>	470
191-24-2	Benzo(g,h,i)perylene		0 <b>2</b>	470

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	'LE	NO.

				SS-8RE	İ
Lab Name: STI	_ Newburgh	Contrac	ot:		
Lab Code: 101	42 Case No.:	SAS	No.:	SDG No.: 2:	37194
Matrix: (soll/water	) SOIL		Lab Sample	D: 237194-02	2RE
Sample wt/vol:	30.89 (g/ml) <u>G</u>		Lab File ID:	E72209.D	<del></del>
Level: (low/med)	LOW		Date Recei	/ed: 6/11/2004	
	31.6 decanted: (Y/N)	N	Date Extrac	ted: 6/23/2004	
Concentrated Ext	 	Date Analyzed: 6/25/2004			
Injection Volume: 2.0 (uL) Dilution Factor: 1.0				tor: 1.0	
GPC Cleanup: (Ya		_			
		CONCE	NTRATION	UNITS:	
Number TICs four	nd: <u>2</u>	(ug/L or	ug/Kg)	UG/KG	
CAS NUMBER	COMPOUND NAME		RT	EST. CONC.	Q
1. 000123-42-	2 2-Pentanone, 4-hydroxy-	4-methyl	5.34	43000	JN
2. 000629-78-			15.74	560	JN

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	SS-9			
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Lab Name:	STL Ne	wburgh		Cor	ntract:	
Lab Code:	10142	(	Case No.:	s	AS No.: S	DG No.: 237194
Matrix: (soil/v	vater)	SOIL			Lab Sample ID:	237194-023
Sample wt/vo	ol:	30.19	(g/ml) <u>G</u>		Lab File ID:	E72199.D
Level: (low/n	ned)	LOW			Date Received:	6/11/2004
% Moisture:	14.1	d	ecanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	i Extract	Volume:	1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu	ıme: <u>2</u>	.0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH: 7		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	390
108-95-2	Phenol		U	390
95-57 <b>-</b> 8	2-Chlorophenol		U	390
541-73-1	1,3-Dichlorobenzene		U	390
106-46-7	1,4-Dichlorobenzene		U	390
95-50-1	1,2-Dichlorobenzene		U	390
100-51-6	Benzyl alcohol		U	390
108-60-1	2,2'-oxybis(1-Chloropropane)		U	390
95-48-7	2-Methylphenol		U	390
67-72-1	Hexachloroethane		U	390
621-64-7	N-Nitroso-di-n-propylamine		U	390
106-44-5	4-Methylphenol		U	390
98-95-3	Nitrobenzene		U	390
78-59-1	Isophorone		U	390
88-75-5	2-Nitrophenol		U	390
105-67-9	2,4-Dimethylphenol		U	390
111-91-1	bis(2-Chloroethoxy)methane		U	390
120-83-2	2,4-Dichlorophenol		U	390
120-82-1	1,2,4-Trichlorobenzene		U	390
91-20-3	Naphthalene	57	J	390
106-47-8	4-Chloroaniline		U	390
87-68-3	Hexachlorobutadiene		U .	390
59-50-7	4-Chloro-3-methylphenol		U	390
91-57-6	2-Methylnaphthalene	58	J	390
77-47-4	Hexachlorocyclopentadiene		UR	390
88-06-2	2,4,6-Trichlorophenol		U''	390
95-95-4	2,4,5-Trichlorophenol		U	960
91-58-7	2-Chloronaphthalene		U	390
88-74-4	2-Nitroaniline		U	960
208-96-8	Acenaphthylene		U	390
131-11-3	Dimethylphthalate		U	390
606-20-2	2,6-Dinitrotoluene		U	390
83-32-9	Acenaphthene		U	390
99-09-2	3-Nitroaniline		U	960
51-28-5	2.4-Dinitrophenol		U	960
132-64-9	Dibenzofuran		U	390
121-14-2	2,4-Dinitrotoluene		U	390

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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$-\mu$	$\times \Delta M =$	

	SS-9 ·	
	SDG No.: 237194	
ie ID:	237194-023	
}•	F72199 D	

Matrix: (soil/water)

SOIL

STL Newburgh

10142

SAS No.: Case No.:

Lab Sampl

Sample wt/vol:

Lab Name:

Lab Code:

30.19 (g/ml) G Lab File ID:

Contract:

Level: (low/med)

LOW

Date Received: 6/11/2004

14.1 % Moisture:

decanted:(Y/N)

Date Extracted: 6/23/2004

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 6/25/2004

injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7

Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	960
86-73-7	Fluorene		U	390
7005-72-3	4-Chiorophenyl-phenylether		U	390
84-66-2	Diethylphthalate		U	390
100-01-6	4-Nitroaniline		U	960
534-52-1	4,6-Dinitro-2-methylphenol		U	960
86-30-6	n-Nitrosodiphenylamine (1)		U	390
101-55-3	4-Bromophenyl-phenylether		Ü	390
118-74-1	Hexachlorobenzene		U	390
87-86-5	Pentachlorophenol		U	960
85-01-8	Phenanthrene	400		390
120-12-7	Anthracene		U	390
84-74-2	Di-n-butylphthalate	53	J	390
206-44-0	Fluoranthene	890		390
129-00-0	Pyrene	1200		_390
85-68-7	Butylbenzylphthalate		U	390
91-94-1	3,3'-Dichlorobenzidine		U	390
56-55-3	Benzo(a)anthracene	460		390
218-01-9	Chrysene	620	- 1	390
117-81-7	bis(2-Ethylhexyl)phthalate	120	J	390
117-84-0	Di-n-octylphthalate		0.2	390
205-99-2	Benzo(b)fluoranthene	930	21	390
207-08-9	Benzo(k)fluoranthene	260	12	390
50-32-8	Benzo(a)pyrene	580	7 7	390
193-39-5	Indeno(1,2,3-cd)pyrene	340		390
62-75-9	n-Nitrosodimethylamine		U 7	390
53-70 <b>-</b> 3	Dibenz(a,h)anthracene	100	12	390
191-24-2	Benzo(g,h,i)perylene	360	12	390

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SS-9	

Lab Name:	STL Nev	wburgh		c	Contract:		30-9
Lab Code:	10142	Ca	ase No.:		SAS No.:	_ s	DG No.: 237194
Matrix: (soil/w	/ater)	SOIL	_		Lab Sample	ID:	237194-023
Sample wt/vo	l:	30.19	(g/ml) G		Lab File ID:		E72199.D
Level: (low/m	ed)	LOW	_		Date Receiv	/ed:	6/11/2004
% Moisture:	14.1	dec	anted: (Y/N)	N	_ Date Extrac	ted:	6/23/2004
Concentrated	Extract \	/olume:	1000 (uL)		Date Analyz	ed:	6/25/2004
Injection Volu	me: <u>2.0</u>	(uL)			Dilution Fac	tor:	1.0
GPC Cleanup	: (Y/N)	<u>N</u>	pH: <u>7</u>				
Number TICs	found:	3			DNCENTRATION g/L or ug/Kg)	UNIT UG/F	

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.28	27000	JN
2. 000112-88-9	1-Octadecene	19.04	930	JN
3. 002440-22-4	Drometrizole	19.14	430	JN

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-9RE	
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RL

Lab Name:	STL Newl	ourgh		Contra	ict:		SS-9RE	
Lab Code:	10142	Cas	No.:	SAS	No.:	SE	OG No.:	237194
Matrix: (soil/w	/ater) S	OIL			Lab Samp	le ID:	237194-	023RE
Sample wt/vo	i: <u>3</u>	0.19	(g/ml) G	_	Lab File II	): _	E72230.	D
Level: (low/m	ned) <u>L</u>	ow			Date Rece	eived:	6/11/200	4
% Moisture:	14.1	deca	nted:(Y/N)N	<u> </u>	Date Extra	cted:	6/23/200	4
Concentrated	Extract Vo	olume: <u>10</u>	00 (uL)		Date Analy	yzed: (	6/28/200	4
Injection Volu	me: 2.0	_ (uL)			Dilution Fa	ctor:	1.0	
GPC Cleanup	: (Y/N) _	N p	H: <u>7</u>		Units: (ug/	L or ug/	/Kg) <u>UG</u>	/KG
CAS NO.	CC	MPOUND			F	RESUL <sup>-</sup>	<b>.</b>	Q.

				<del> </del>
111-44-4	bis(2-Chloroethyl)ether		U	390
108-95-2	Phenol		Ų	390
95-57-8	2-Chlorophenol		U	390
541-73-1	1,3-Dichiorobenzene		U	390
106-46-7	1,4-Dichlorobenzene		U	390
95-50-1	1,2-Dichlorobenzene		U	390
100-51-6	Benzyl alcohol		U	390
108-60-1	2,2'-oxybis(1-Chloropropane)		U	390
95-48-7	2-Methylphenol		U	390
67-72-1	Hexachloroethane		U	390
621-64-7	N-Nitroso-di-n-propylamine		U	390
106-44-5	4-Methylphenol		U	390
98-95-3	Nitrobenzene		U_U	390
78-59-1	Isophorone		U	390
88-75-5	2-Nitrophenol		U	390
105-67-9	2,4-Dimethylphenol		U	390
111-91-1	bis(2-Chloroethoxy)methane		U	390
120-83-2	2,4-Dichlorophenol		U	390
120-82-1	1,2,4-Trichiorobenzene		U	390
91-20-3	Naphthalene	64	j	390
106-47-8	4-Chloroaniline		U	390
87-68-3	Hexachlorobutadiene		U	390
59-50-7	4-Chloro-3-methylphenol		U	390
91-57-6	2-Methylnaphthalene	67	J	390
77-47-4	Hexachlorocyclopentadiene		U	390
88-06-2	2,4,6-Trichlorophenol		U	390
95-95-4	2,4,5-Trichlorophenol		Ų	960
91-58-7	2-Chioronaphthalene		U	390
88-74-4	2-Nitroaniline		U	960
208-96-8	Acenaphthylene		U	390
131-11-3	Dimethylphthalate		U	390
606-20-2	2,6-Dinitrotoluene		U	390
83-32-9	Acenaphthene		U	390
99-09-2	3-Nitroaniline		U	960
51-28-5	2,4-Dinitrophenol		U	960
132-64-9	Dibenzofuran		U	390
121-14-2	2,4-Dinitrotoluene		U	390

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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					O		SS-9RE	
Lab Name:	STL Ne	wburgh			Contract:			
Lab Code:	10142	Ca	se No.:		SAS No.:	SI	DG No.: 237194	
Matrix: (soil/	vater)	SOIL	-		Lab Samp	le ID:	237194-023RE	
Sample wt/vo	ol:	30.19	(g/ml) G		Lab File II	):	E72230.D	
Level: (low/r	ned)	LOW			Date Rece	elved:	6/11/2004	
% Moisture:	14.1	dec	anted:(Y/N)	N	Date Extra	acted:	6/23/2004	
Concentrated	Extract	— Volume: 1	000 (uL)		Date Anal	yzed:	6/28/2004	

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7 Units: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	960
86-73-7	Fluorene		U	390
7005-72-3	4-Chlorophenyl-phenylether		U	390
84-66-2	Diethylphthalate		U	390
100-01-6	4-Nitroaniline		U	960
534-52-1	4,6-Dinitro-2-methylphenol		U	960
86-30-6	n-Nitrosodiphenylamine (1)		U	390
101-55-3	4-Bromophenyl-phenylether		Ų	390
118-74-1	Hexachlorobenzene		U	390
87-86-5	Pentachlorophenol		U	960
85-01-8	Phenanthrene	460		390
120-12-7	Anthracene	82	<u>J</u>	390
84-74-2	Di-n-butylphthalate	60	J	390
206-44-0	Fluoranthene	830		390
129-00-0	Pyrene	1800		390
85-68-7	Butylbenzylphthalate		U <u>3</u>	390
91-94-1	3,3'-Dichlorobenzidine		0.2	390
56-55-3	Benzo(a)anthracene	540	2	390
218-01-9	Chrysene	680	2	390
117-81-7	bis(2-Ethylhexyl)phthalate	160	J 3	390
117-84-0	Di-n-octylphthalate		0.7	390
205-99-2	Benzo(b)fluoranthene	1100	3	390
207-08-9	Benzo(k)fluoranthene	430		390
50-32-8	Benzo(a)pyrene	680	<u> </u>	390
193-39-5	Indeno(1,2,3-cd)pyrene	310		390
62-75-9	n-Nitrosodimethylamine		U 3	390
53-70-3	Dibenz(a,h)anthracene	120		390
191-24-2	Benzo(g,h,i)perylene	330	J 3	390

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

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_			 	-

Lab Name:	STL Ne	whurah	Contra	ct:	33-31/2
Lab Code:	10142	Case No.:		No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample I	D: 237194-023RE
Sample wt/vo	ol:	30.19 (g/ml) G	<del>.</del>	Lab File ID:	E72230.D
Level: (low/n	ned)	LOW		Date Receive	ed: 6/11/2004
% Moisture:	14.1	decanted: (Y/N)	N	Date Extracte	ed: 6/23/2004
Concentrated	Extract	Volume: 1000 (uL)		Date Analyze	d: 6/28/2004
Injection Volu	ıme: <u>2.0</u>	) (uL)		Dilution Facto	or: 1.0
GPC Cleanu	o: (Y/N)	N pH: 7			
			CONCE	NTRATION U	INITS:
Number TICs	found:	3	(ug/L or	ug/Kg) <u>U</u>	IG/KG
CASNUMB	ER	COMPOUND NAME		RT	EST. CONC. Q

	'		f	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.25	29000	JN
2.	Unknown CnH2n+2O	19.01	930	J
3. 002440-22-4	Drometrizole	19,11	390	JN

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# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

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SS-10

Lab Name:	STL Ne	wburgh		(	Contract:	
Lab Code:	10142	(	Case No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL	· 		Lab Sample I	): <u>237194-024</u>
Sample wt/vo	ol:	30.5	(g/ml) G		Lab File ID:	E72193.D
Level: (low/n	ned)	LOW			Date Received	i: <u>6/11/2004</u>
% Moisture:	14.3	d	ecanted:(Y/N)	N	Date Extracted	d: <u>6/23/2004</u>
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed	: 6/24/2004
Injection Volu	ıme: 2	.0 (uL)	<del></del>		Dilution Factor	: 1.0
GPC Cleanu		N	pH: 5.62	_	Units: (ug/L or	ug/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	380
108-95-2	Phenol	180	J	380
95-57-8	2-Chlorophenol	•	U	380
541-73-1	1,3-Dichlorobenzene		U	380
106-46-7	1,4-Dichlorobenzene		U	380
95-50-1	1,2-Dichlorobenzene		U	380
100-51-6	Benzyl alcohol		Ų	380
108-60-1	2,2'-oxybis(1-Chloropropane)		U	380
95-48-7	2-Methylphenol	110	J	380
67-72-1	Hexachloroethane		U	380
621-64-7	N-Nitroso-di-n-propylamine		U	380
106-44-5	4-Methylphenol	85	J	380
98-95-3	Nitrobenzene		כ	380
78-59-1	Isophorone		U	380
88-75-5	2-Nitrophenol		Ü	380
105-67-9	2,4-Dimethylphenol	43	J	380
111-91-1	bis(2-Chioroethoxy)methane		U	380
120-83-2	2,4-Dichlorophenol		U	380
120-82-1	1,2,4-Trichlorobenzene		U	380
91-20-3	Naphthalene	290	J	380
106-47-8	4-Chioroaniline		U	380
87-68-3	Hexachlorobutadiene		U	380
59-50-7	4-Chloro-3-methylphenol		U	380
91-57-6	2-Methylnaphthalene	350	J	380
77-47-4	Hexachlorocyclopentadiene		UR	380
88-06-2	2,4,6-Trichlorophenol		U	380
95-95-4	2,4,5-Trichlorophenol		U	960
91-58-7	2-Chloronaphthalene		U	380
88-74-4	2-Nitroaniline		U	960
208-96-8	Acenaphthylene		U	380
131-11-3	Dimethylphthalate	410		380
606-20-2	2,6-Dinitrotoluene		U	380
83-32-9	Acenaphthene		U	380
99-09-2	3-Nitroaniline		U	960
51-28-5	2,4-Dinitrophenol		U	960
132-64-9	Dibenzofuran	110	J	380
121-14-2	2.4-Dinitrotoluene		U	380

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### EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	SS-10			٠
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Lab Name:	STL Ne	wburgh		0	Contract:	
Lab Code:	10142	c	ase No.:		SAS No.: S	DG No.: <u>237194</u>
Matrix: (soil/v	water)	SOIL			Lab Sample ID:	237194-024
Sample wt/vo	ol:	30.5	(g/ml) <u>G</u>		Lab File ID:	E72193.D
Level: (low/n	ned)	LOW			Date Received:	6/11/2004
% Moisture:	14.3	d	ecanted:(Y/N) _	N	Date Extracted:	6/23/2004
Concentrated	i Extract	Volume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: <u>2</u>	.0 (uL)			Dilution Factor:	1.0
GPC Cleanu	o: (Y/N)	N	pH: 5.62		Units: (ug/L or u	g/Kg) <u>UG/KG</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	960
86-73-7	Fluorene		U	380
7005-72-3	4-Chlorophenyl-phenylether		U	380
84-66-2	Diethylphthalate		U	380
100-01-6	4-Nitroaniline		U	960
534-52-1	4,6-Dinitro-2-methylphenol		U	960
86-30-6	n-Nitrosodiphenylamine (1)		U	380
101-55-3	4-Bromophenyl-phenylether		U	380
118-74-1	Hexachlorobenzene		U	380
87-86-5	Pentachlorophenol		U	960
85-01-8	Phenanthrene	480		380
120-12-7	Anthracene .	88	J	380
84-74-2	DI-n-butylphthalate	110	J	380
206-44-0	Fluoranthene	260	J	380
129-00-0	Pyrene	510	<u>る</u>	380
85-68-7	Butylbenzylphthalate		υJ	380
91-94-1	3,3'-Dichlorobenzidine		1 <u>7</u>	380
56-55-3	Benzo(a)anthracene	170		380
218-01-9	Chrysene	230	17	380
117-81-7	bis(2-Ethylhexyl)phthalate	190	J 2	380
117-84-0	Di-n-octylphthalate		UJ	380
205-99-2	Benzo(b)fluoranthene	350	1 2	380
207-08-9	Benzo(k)fluoranthene	120	12	380
50-32-8	Benzo(a)pyrene	190	٦ ٦	380
193-39-5	indeno(1,2,3-cd)pyrene	78	12	380
62-75-9	n-Nitrosodimethylamine			380
53-70-3	Dibenz(a,h)anthracene		0 <b>2</b>	380
191-24-2	Benzo(g,h,i)perylene	100	JΣ	380

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAIVIF	'LE	IN	O.

Lab Name:	STL Nev	wburgh	_ (	Contract:	
Lab Code:	10142	Case No.:		SAS No.: S	SDG No.: 237194
Matrix: (soil/v	vater)	SOIL		Lab Sample ID:	237194-024
Sample wt/vo	ol:	30.5 (g/ml) G		Lab File ID:	E72193.D
Level: (low/m	ned)	LOW		Date Received:	6/11/2004
% Moisture:	14.3	decanted: (Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: <u>2.0</u>	) (uL)		Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	N pH: 5.62			

### **CONCENTRATION UNITS:**

UG/KG

(ug/L or ug/Kg)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.30	30000	JN
2. 000100-41-4	Ethylbenzene	5.35	760	JN
3. 000544-76-3	Hexadecane	14.80	280	JN
4. 000629-78-7	Heptadecane	15.76	650	JN

16.68 480 JN 000593-45-3 Octadecane 5. 470 Unknown CnH2n+2 16.75 J 6. Unknown Benzenedicarboylic aci 17.28 1700 J 7. Nonadecane 17.56 470 JN 000629-92-5

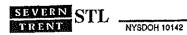
Number TICs found:

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL New	burgh		c	Contract:	
Lab Code:	10142	Case	No.:		SAS No.:	SDG No.: <u>237194</u>
Matrix: (soil/w	rater)	SOIL			Lab Sample li	D: <u>237194-024RE</u>
Sample wt/vo	i:	30.5 (	g/ml) <u>G</u>		Lab File ID:	E72210.D
Level: (low/m	ned)	LOW			Date Receive	d: <u>6/11/2004</u>
% Moisture:	14.3	decan	ted:(Y/N)	N	Date Extracte	d: 6/23/2004
Concentrated	Extract V	olume: 100	0 (uL)		Date Analyzed	d: 6/25/2004
Injection Volu	me; 2.0	) (uL)			Dilution Facto	r: <u>1.0</u>
GPC Cleanup	): (Y/N)	N ph	i: <u>5.62</u>		Units: (ug/L or	ug/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U_	380
108-95-2	Phenol	200	J	380
95-57-8	2-Chlorophenol		U	380
541-73-1	1.3-Dichlorobenzene		U	380
106-46-7	1.4-Dichlorobenzene		U	380
95-50-1	1,2-Dichlorobenzene		U	380
100-51-6	Benzyl alcohol		U	380
108-60-1	2,2'-oxybis(1-Chioropropane)		U	380
95-48-7	2-Methylphenol	110	J	380
67-72-1	Hexachloroethane		U	380
621-64-7	N-Nitroso-di-n-propylamine		U	380
106-44-5	4-Methylphenol	87	J	380
98-95-3	Nitrobenzene		U	380
78-59-1	Isophorone		U	380
88-75-5	2-Nitrophenol		U	380
105-67-9	2,4-Dimethylphenol	38	J	380
111-91-1	bis(2-Chloroethoxy)methane		U	380
120-83-2	2,4-Dichlorophenol		U	380
120-82-1	1,2,4-Trichlorobenzene		U	380
91-20-3	Naphthalene	290	J	380
106-47-8	4-Chloroaniline		U	380
87-68-3	Hexachlorobutadiene		U	380
59-50-7	4-Chioro-3-methylphenol		U	380
91-57-6	2-Methylnaphthalene	380	J	380
77-47-4	Hexachlorocyclopentadiene		UR	380
88-06-2	2,4,6-Trichlorophenol		U	380
95-95-4	2,4,5-Trichlorophenol		U	960
91-58-7	2-Chloronaphthalene		U	380
88-74-4	2-Nitroaniline		U	960
208-96-8	Acenaphthylene		U	380
131-11-3	Dimethylphthalate	420		380
606-20-2	2.6-Dinitrotoluene		U	380
83-32-9	Acenaphthene		U	380
99-09-2	3-Nitroaniline		U	960
51-28-5	2,4-Dinitrophenol		U	960
132-64-9	Dibenzofuran	100	J	380
121-14-2	2,4-Dinitrotoluene		U	380

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EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SS-10RE

Lab Name:	STL Newburgh		Contra	act:	
Lab Code:	10142	Case No.:	SA!	S No.: S	DG No.: 237194
Matrix: (soil/v	vater) SOIL			Lab Sample ID:	237194-024RE
Sample wt/vo	ol: 30.5	(g/ml) <u>G</u>		Lab File ID:	E72210.D
Level: (low/m	ned) LOW			Date Received:	6/11/2004
% Moisture:	14.3	decanted:(Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract Volume	: 1000 (uL)		Date Analyzed:	6/25/2004
Injection Volu	me: 2.0 (ul	_)		Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)N	pH: <u>5.62</u>	_	Units: (ug/L or ug	g/Kg) UG/KG

CAS NO.	COMPOUND	RESULT	Q ,	RL
100-02-7	4-Nitrophenol		U	960
86-73-7	Fluorene		U	380
7005-72-3	4-Chlorophenyl-phenylether		U	380
84-66-2	Diethylphthalate		U	380
100-01-6	4-Nitroaniline		U	960
534-52-1	4,6-Dinitro-2-methylphenol		U	960
86-30-6	n-Nitrosodiphenylamine (1)		U	380
101-55-3	4-Bromophenyl-phenylether		U	380
118-74-1	Hexachlorobenzene		U	380
87-86-5	Pentachlorophenol		U	960
85-01-8	Phenanthrene	470		380
120-12-7	Anthracene	87	J	380
84-74-2	Di-n-butylphthalate	110	J	380
206-44-0	Fluoranthene	220	J	380
129-00-0	Pyrene	560		380
85-68-7	Butylbenzylphthalate		U 3	380
91-94-1	3,3'-Dichlorobenzidine		U <b>3</b>	380
56-55-3	Benzo(a)anthracene	180	12	380
218-01-9	Chrysene	220	1 2	380
117-81-7	bis(2-Ethylhexyl)phthalate	220	J	380
117-84-0	Di-n-octylphthalate		U 2	380
205-99-2	Benzo(b)fluoranthene	330	J 3	380
207-08-9	Benzo(k)fluoranthene	100	1 <u>2</u>	380
50-32-8	Benzo(a)pyrene	180		380
193-39-5	Indeno(1,2,3-cd)pyrene	110	J <u>2</u>	380
62-75-9	n-Nitrosodimethylamine		Û <u>Y</u>	380
53-70-3	Dibenz(a,h)anthracene		υ 2	380
191-24-2	Benzo(g,h,i)perylene	130	υS	380

3/90 M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.

		I E I Y I A I I	IVEL IDEINI	, IED ,	SOM SOME	SS-10RE
Lab Name:	STL Nev	wburgh		c	ontract:	_
Lab Code:	10142	Cas	se No.:		SAS No.: S	DG No.: 237194
Matrix: (soil/w	vater)	SOIL	_		Lab Sample ID:	237194-024RE
Sample wt/vo	d:	30.5	(g/ml) G		Lab File ID:	E72210.D
Level: (low/m	ned)	LOW			Date Received:	6/11/2004
% Moisture:	14.3	deca	nted: (Y/N)	N	Date Extracted:	6/23/2004
Concentrated	Extract \	 /olume: 1	000 (uL)		Date Analyzed:	6/25/2004
Injection Volu	me: 2.0	(uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	оH: <u>5.62</u>			

### **CONCENTRATION UNITS:**

17.27

17.56

UG/KG

1700

450

(ug/L or ug/Kg)

	1			
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000123-42-2	2-Pentanone, 4-hydroxy-4-methyl	5.28	33000	JN
2. 000100-41-4	Ethylbenzene	5.35	500	JN
3. 000544-76-3	Hexadecane	14.79	280	JN
4. 000629-78-7	Heptadecane	15.76	630	JN
5. 000593-45-3	Octadecane	16.68	490	JN
6. 000638-36-8	Hexadecane, 2,6,10,14-tetrameth	16.73	500	JN
		-	l	

Unknown Benzenedicarboxylic ac

NJDEP 73015

Number TICs found:

000629-92-5

7.

8.

8

Nonadecane

PA 68-378

3/90

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-1 Date Sampled....: 06/09/2004 Time Sampled....: 10:15 Sample Matrix...: Surf. Water Laboratory Sample ID: 237194-1 Date Received.....: 06/11/2004 Time Received....: 14:20

\* In Description = Dry Wgt.

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TEST RESULTS LABORATORY

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SV-1 Date Sampled....: 06/09/2004 Time Sampled....: 10:15 Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-1 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.67 0.67 0.67 0.67 0.67 1.3	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	0.67 0.67 0.67 0.67 0.67 1.3	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	lje lje lje lje
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							-
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\* In Description = Dry Wgt.

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STL Newbur 315 Fullerton Ave Newburgh, NY 1 Tel (845) 56 Fax (845) 5

EPA NY049

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

Customer Sample ID: SW-2 Date Sampled....: 06/09/2004 Time Sampled....: 11:45 Sample Matrix....: Surf. Water Laboratory Sample ID: 237194-2 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED TEC
SW846 8081A	Organochlorine Pesticide Analysis alpha-8HC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan i Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chiordane	0.056 0.056 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	פפטטטטטטטטטטטטטטטטטטטטטטטט	0.056 0.056 0.056 0.056 0.056 0.056 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc 06/25/04   jc

\* In Description = Dry Wgt.

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EPA NY049

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-2 Date Sampled....: 06/09/2004 Time Sampled....: 11:45 Sample Matrix....: Surf. Water Laboratory Sample ID: 237194-2
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.56 0.56 0.56 0.56 0.56 1.1	U U U U U U U U U U U U U U U U U U U	0.56 0.56 0.56 0.56 0.56 1.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	ije
					·		

In Description = Dry Wgt.

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Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-3 Date Sampled....: 06/09/2004 Time Sampled....: 14:45 Sample Matrix....: Surf. Water Laboratory Sample ID: 237194-3
Date Received.....: 06/11/2004 Time Received....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLA	GS REPORTING LIMIT	UNITS	ANALYZED TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.059 U 0.059 U 0.059 U 0.059 U 0.059 U 0.059 U 0.059 U 0.059 U 0.12 U 0.12 U 0.12 U 0.12 U 0.12 U 0.12 U 0.12 U 0.12 U 0.12 U 0.12 U 0.59 U 0.59 U 0.59 U 0.59	0.059 0.059 0.059 0.059 0.059 0.059 0.12 0.12 0.12 0.12 0.12 0.12 0.12 0.12	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/04   ijc   06/25/

\* In Description = Dry Wgt.

Page 4
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Laboratory Sample ID: 237194-3

Customer Sample ID: SW-3
Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix...: Surf. Water

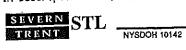
Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED TEC
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.59 U 0.59 U 0.59 U 0.59 U 0.59 U 1.2 U	0.59 0.59 0.59 0.59 0.59 1.2 1.2	ug/L ug/L ug/L ug/L ug/L ug/L	06/26/04 ljc 06/26/04 ljc 06/26/04 ljc 06/26/04 ljc 06/26/04 ljc 06/26/04 ljc
)					

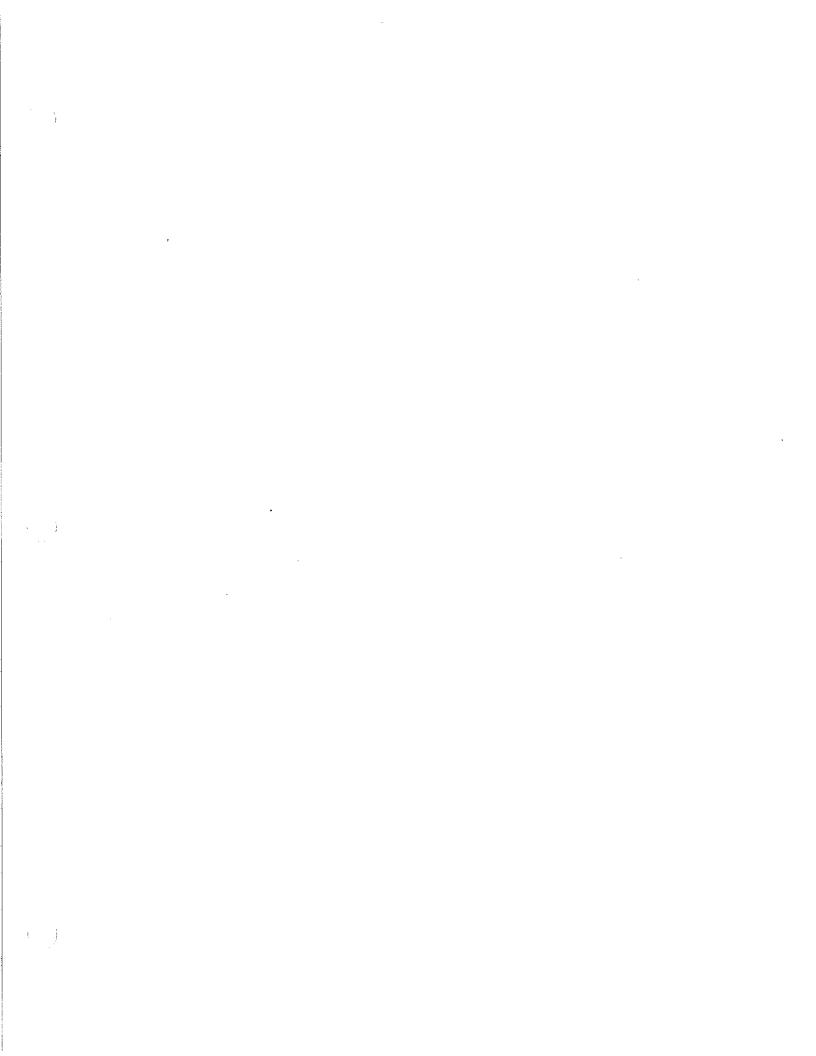
In Description = Dry Wgt.

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EPA NY049



STL Newburgh 315 Fulledon Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841





# SAMPLE DATA SUMMARY PACKAGE

InteGreyted International, LLC Syracuse, NY

Project: Cooper 0310025P STL Lab. #: 237194

Matrix: Soil & Water

2 of 2

LABORATORY TEST RESULTS

Job Number: 237194

Date: 06/30/2004

CUSTOMER: inteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-4
Date Sampled.....: 06/09/2004
Time Sampled.....: 15:37
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-4
Date Received.....: 06/11/2004
Time Received.....: 14:20

\* In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: SW-4
Date Sampled.....: 06/09/2004
Time Sampled.....: 15:37
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-4
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FL/	AGS REPORTING LIM	IT UNITS	ANALYZED	TECH
1	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.62 0.62 0.62 0.86 0.62 1.2	טטט טטט	0.62 0.62 0.62 0.62 0.62 1.2	ug/L ug/L ug/L ug/L ug/L ug/L	06/26/04 06/26/04 06/26/04 06/26/04 06/26/04 06/26/04	ljc ljc ljc ljc
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\* In Description = Dry Wgt.

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54 EPA NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

Date Sampled....: 06/09/2004 Time Sampled....: 14:45 Sample Matrix...: Surf. Water

Customer Sample ID: SW-5

)

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Laboratory Sample ID: 237194-5
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
SW846: 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.052 0.052 0.052 0.010 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.52 1.0 0.52	ברככככככנני.	0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.152 1.0 0.152	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	

\* In Description = Dry Wgt.

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Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-5
Date Sampled....: 06/09/2004
Time Sampled....: 14:45 Sample Matrix....: Surf. Water Laboratory Sample ID: 237194-5 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLA	S REPORTING LIMIT	UNITS	ANALYZED	TEC
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1254 Aroclor 1260	0.52 0.52 1.0	U U U U U U	0.52 0.52 0.52 0.52 0.52 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/26/04 06/26/04 06/26/04 06/26/04 06/26/04 06/26/04 06/26/04	ljc ljc ljc ljc
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In Description = Dry Wgt.

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Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Laboratory Sample ID: 237194-6
Date Received.....: 06/11/2004
Time Received.....: 14:20

Customer Sample ID: L-1 Date Sampled....: 06/09/2004 Time Sampled.....: 13:00 Sample Matrix....: Surf. Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.056 0.056 0.056 0.056 0.056 0.11 0.11 0.11 0.11			0.056 0.056 0.056 0.056 0.056 0.11 0.11 0.11 0.11 0.11 0.11 0.56	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	

In Description = Dry Wgt.

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CTDOHS PH-0554



M-NY049

Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

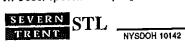
ATIN: Mark Schumacher

Laboratory Sample ID: 237194-6
Date Received.....: 06/11/2004
Time Received.....: 14:20 Customer Sample ID: L-1
Date Sampled.....: 06/09/2004
Time Sampled.....: 13:00
Sample Matrix....: Surf. Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
sw846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.56 0.56 0.56 1.1	U U U U U U	0.56 0.56 0.56 0.56 0.56 1.1	ug/L ug/L ug/L ug/L ug/L ug/L	06/26/04 06/26/04 06/26/04 06/26/04 06/26/04 06/26/04	lje lje lje lje
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\* In Description = Dry Wgt.

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PA 68-378

M-NY049

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

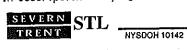
Customer Sample ID: SS-1 Date Sampled....: 06/09/2004 Time Sampled....: 11:20 Sample Matrix....: Soil

Laboratory Sample ID: 237194-7
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	0	FLAGS	REPORTING LIMIT	UNITS	ANALY2ED	TECH
EPA 160.3	% Hoisture	38.0	Γ		0.10	%	06/15/04	ae
EPA 160.3	% Solids	62.0			0.10	%	06/15/04	ae
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.7 2.7 2.7 2.7 5.4 5.4 5.4 5.4 5.4 27	ם טיים מיים מיים מיים מיים מיים מיים מיי	ב ב ב	2.7772.77444444 2.7772.775.4444444 55.44 55.44 55.44 57.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 67.44 6	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

\* In Description = Dry Wgt.

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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

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PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-1 Date Sampled....: 06/09/2004

Time Sampled....: 11:20 Sample Matrix....: Soil

Laboratory Sample ID: 237194-7 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	o	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	38.0			0.10	%	06/15/04	ae
EPA 160.3	% Solids	62.0			. 0.10	, %	06/15/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	26 26 26 190 26 460 200	U U U	ት <b>ኮ</b>	26 26 26 26 26 26 53 53	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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<sup>\*</sup> In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-1 Date Sampled....: 06/09/2004 Time Sampled....: 11:20 Sample Matrix....: Soil

Laboratory Sample ID: 237194-7 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254*	270 270 270 270 270 270 980 340	1 60000	03	270 270 270 270 270 270 540 540	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	ljc ljc ljc ljc

In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-2 Date Sampled....: 06/09/2004
Time Sampled....: 10:30
Sample Matrix...: Soil

Laboratory Sample ID: 237194-8 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	25.5		0.10	%	06/15/04	ae
EPA 160.3	% Solids	74.5		0.10	%	06/15/04	ae
sw846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.2 4.5 4.5 2.0 4.5 4.5	מפפניפטייטייטייטייטייטייטייטייטייטייטייטייטי	2.2 2.2 2.2 2.2 2.2 2.2 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 22 4.5	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

\* In Description = Dry Wgt.

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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-2
Date Sampled....: 06/09/2004
Time Sampled....: 10:30 Sample Matrix....: Soil

Laboratory Sample ID: 237194-8
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	25.5	Г		0.10	%	06/15/04	ae
EPA 160.3	% Solids	74.5			0.10	. %	06/15/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1260*	22 22 22 14 22 21 13	10001	<sub>P</sub> ភ ភ	22 22 22 22 22 22 44 44	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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In Description = Dry Wgt.

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-3
Date Sampled....: 06/09/2004 Time Sampled....: 10:00 Sample Matrix....: Soil

Laboratory Sample ID: 237194-9
Date Received.....: 06/11/2004

Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
EPA 160.3	% Moisture	29.8		0.10	%	06/17/04	ae
EPA 160.3	% Solids	70.2		0.10	%	06/17/04	ae
W846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.4 2.4 2.4 4.7 4.7 4.7 4.7 4.7 8.1 24 47	מכככ כככנכנכנכנכניי	2.4 2.4 2.4 2.4 2.4 2.4 4.7 4.7 4.7 4.7 4.7 4.7 4.7 24	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

\* In Description = Dry Wgt.

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Job Number: 237194

Date: 07/01/2004

PROJECT: COOPER 0310025P ATTN: Mark Schumacher CUSTOMER: InteGreyted International, LLC

Customer Sample 1D: SS-3 Date Sampled....: 06/09/2004
Time Sampled....: 10:00
Sample Matrix...: Soil Laboratory Sample ID: 237194-9
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٩	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	29.8			0.10	%	06/17/04	ae
EPA 160.3	% Solids	70.2			0.10	%	06/17/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	l 29	UUUU		23 23 23 23 23 23 47 47	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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\* In Description = Dry Wgt.

Page 11 STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-4 Date Sampled....: 06/09/2004
Time Sampled....: 13:05
Sample Matrix....: Soil Laboratory Sample ID: 237194-10
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	61.4		0.10	%	06/15/04	ae
EPA 160.3	% Solids	38.6		0.10	%	06/15/04	ae
EPA 160.3 SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan !I* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	4.3 4.3 4.3 4.3 4.3 4.3 8.6 8.6 8.6 8.6 8.6 8.6 8.6 8.6 8.6 43	7 7	4.3 4.3 4.3 4.3 4.3 8.6 8.6 8.6 8.6 8.6 8.6 8.6 8.6 43	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

In Description = Dry Wgt.

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PA 68-378

NJDEP 73015

Date: 07/01/2004 Job Number: 237194

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-4
Date Sampled....: 06/09/2004
Time Sampled....: 13:05
Sample Matrix...: Soil

Laboratory Sample ID: 237194-10
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	61.4			0.10	%	06/15/04	ае
EPA 160.3	% Solids	38.6			0.10	%	06/15/04	ae
sw846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	42 42 42 42 42 84 260	מטטטט	2	42 42 42 42 42 42 84 84	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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\* In Description = Dry Wgt.

Page 12 STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LUC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

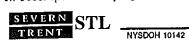
Customer Sample ID: SS-5 Date Sampled....: 06/09/2004 Time Sampled....: 13:00 Sample Matrix....: Soil

Laboratory Sample ID: 237194-11
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	19.6			0.10	%	06/15/04	ae
EPA 160.3	% Solids	80.4			0.10	%	06/15/04	ae
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.1 2.1 2.1 2.1 2.1 2.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1	בפטענענענענע	2	2.1 2.1 2.1 2.1 2.1 2.1 4.1 4.1 4.1 4.1 4.1 4.1 21 4.1 21	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-5
Date Sampled....: 06/09/2004
Time Sampled....: 13:00
Sample Matrix...: Soil

Laboratory Sample ID: 237194-11 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT		ANALYZED	10000000
EPA 160.3	% Moisture	19.6			0.10	%	06/15/04	ae
EPA 160.3	% Solids	80.4			0.10	%	06/15/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1260*	20 20 20	מכנים		20 20 20 20 20 20 41 41	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	lje ije ije lje lje
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Page 13 STL Newburgh is a part of Severn Trent Laboratories, Inc.



PA 68-378

Job Number: 237194

Date: 07/01/2004

PROJECT: COOPER 0310025P ATTN: Mark Schumacher CUSTOMER: InteGreyted International, LLC

Customer Sample ID: SED-1 Date Sampled....: 06/09/2004 Time Sampled....: 10:15 Sample Matrix....: Sediment

Laboratory Sample ID: 237194-12 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANAL YZED	TECH
EPA 160.3	% Moisture	52.5			0.10	%	06/15/04	ae
EPA 160.3	% Solids	47.5			0.10	%	06/15/04	ae
EPA 160.3 SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gemma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan Sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	3.5 3.5 3.5 3.5 3.5 3.5 7.0 7.0 7.0 7.0 7.0 7.0 7.0	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	ם מ	3.5 3.5 3.5 3.5 7.0 7.0 7.0 7.0 7.0 7.0 35 70 7.0	** ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	
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CTDOHS PH-0554



Job Number: 237194

Date: 07/01/2004

PROJECT: COOPER 0310025P CUSTOMER: InteGreyted International, LLC

ATIN: Mark Schumacher

Customer Sample ID: SED-1 Date Sampled....: 06/09/2004 Time Sampled....: 10:15 Sample Matrix....: Sediment

Laboratory Sample ID: 237194-12 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	52.5			0.10	*	06/15/04	ae
EPA 160.3	% Solids	47.5			0.10	%	06/15/04	ae
sw846 8082 <sup>*</sup>	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1260*	35 540	ט ט ט	EP J	35 35 35 35 35 35 70 70	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	lje lje lje lje
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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-1 Date Sampled....: 06/09/2004 Time Sampled....: 10:15 Sample Matrix....: Sediment

Laboratory Sample ID: 237194-12 Date Received.....: 06/11/2004

Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1254*	350 1800	UUU U	ŀ	350 350 350 350 350 700 700	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	lje lje lje lje
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SEVERN STL NYSDOH 10142

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 M-NY049

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-2 Date Sampled....: 06/09/2004 Time Sampled....: 11:45 Sample Matrix...: Sediment

Laboratory Sample ID: 237194-13 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Hoisture	57.5	П		0.10	%	06/15/04	ae
EPA 160.3	% Solids	42.5			0.10	%	06/15/04	ae
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,41-DDE* Endrin* Endosulfan Sulfate* 4,41-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	3.9 3.9 3.9 3.9 3.9 7.8 7.8 7.8 7.8 7.8	מטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	מה	3.9 3.9 3.9 3.9 7.8 7.8 7.8 7.8 7.8 7.8 7.8 39 78 7.8	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

In Description = Dry Wgt.

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NJDEP 73015

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-2 Date Sampled....: 06/09/2004 Time Sampled....: 11:45 Sample Matrix...: Sediment

Laboratory Sample ID: 237194-13
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	57.5			0.10	%	06/15/04	ae
EPA 160.3	% Solids	42.5			0.10	%	06/15/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1260*	39 39 39 1200 39 580 260	U U U	EPT ET PJ	39 39 39 39 39 78 78	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc lic
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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-2 Date Sampled....: 06/09/2004 Time Sampled....: 11:45 Sample Matrix...: Sediment

Laboratory Sample ID: 237194-13 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254*	390 390 390 3000 390 1200 360	ר כ כככ	07 07	390 390 390 390 390 780 780	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	1110
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EPA NY049

M-NY049

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: SED-3
Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-14
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	1000000
EPA 160.3	% Moisture	53.6			0.10	%	06/17/04	1
EPA 160.3	% Solids	46.4			0.10	*	06/17/04	ae
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	3.6 3.6 3.6 3.6 3.6 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 36 72 7.2	טטטטטטטטטטטטטטטטטטט	ז	3.6 3.6 3.6 3.6 3.6 7.2 7.2 7.2 7.2 7.2 7.2 7.2 36 72 7.2	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

In Description = Dry Wgt.

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STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-3 Date Sampled....: 06/09/2004 Time Sampled....: 14:45 Sample Matrix....: Sediment

Laboratory Sample ID: 237194-14
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	53.6			0.10	%	06/17/04	ae
EPA 160.3	% Solids	46.4		-	0.10	%	06/17/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	35 1100	บบบ	EPT E T J	35 35 35 35 35 37 71	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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In Description = Dry Wgt.

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EPA NY049

M-NY049

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-3 Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix....: Sediment Laboratory Sample ID: 237194-14 Date Received.....: 06/11/2004 Time Received....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	0	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1260*	360 360 360 2900 360 1600 360	2 C C C C	0 T	360 360 360 360 360 720 720	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	ljc ljc lic
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# LABORATORY RESULTS TEST

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-4 Date Sampled....: 06/09/2004
Time Sampled....: 15:30
Sample Matrix...: Sediment Laboratory Sample ID: 237194-15
Date Received.....: 06/11/2004
Time Received.....: 14:20

In Description = Dry Wgt.

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CTDOHS PH-0554



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: SED-4
Date Sampled....: 06/09/2004
Time Sampled....: 15:30 Sample Matrix....: Sediment

Laboratory Sample ID: 237194-15 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	47.2	П		0.10	%	06/15/04	ae
EPA 160.3	% Solids	52.8			0.10	%	06/15/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	31 31 31 750 31 560	טעטט	ep T	31	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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\* In Description = Dry Wgt.

Page 20 STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerton Ävenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

Customer Sample ID: SED-4 Date Sampled....: 06/09/2004 Time Sampled....: 15:30 Sample Matrix...: Sediment Laboratory Sample ID: 237194-15
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1260*	310 310 310 2200 310 1200 260	- C CCC	ב מ ב מ ב מ	310 310 310 310 310 310 630 630	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	ljc ljc lic
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\* In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-5
Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-16
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	52.9			0.10	%	06/15/04	ae
EPA 160.3	% Solids	47.1		:	0.10	%	06/15/04	ae
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHCC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	3.5 3.5 3.5 3.5 3.5 3.5 7.1 7.1 7.1 7.1 7.1 7.1 35 71 7.1	טטט טטטטטטטטטטטט		3.5 3.5 3.5 3.5 7.1 7.1 7.1 7.1 7.1 7.1 35 71 7.1	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	
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In Description = Dry Wgt.

Page 17 STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-5 Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-16 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۵	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	52.9			0.10	%	06/15/04	ae
EPA 160.3	% Solids	47.1		:	0.10	%	06/15/04	ae
\$\#846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1254* Aroclor 1254*	34 34 34 1100 34 670 250	U	EPゴ E ゴ ゴ	34 34 34 34 69 69	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	lje lje lje lje
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\* In Description = Dry Wgt.

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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-5 Date Sampled....: 06/09/2004 Time Sampled....: 14:45 Sample Matrix....: Sediment

Laboratory Sample ID: 237194-16 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1256* Aroclor 1260*	350 350 350 2700 350 1600 310	UUUJ	7 DP	350 350 350 350 350 710 710	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	ljc ljc ljc
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In Description = Dry Wgt.

Page 23 STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-6 Date Sampled....: 06/09/2004 Time Sampled....: 10:40
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-17 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	49.7			0.10	%	06/17/04	ae
EPA 160.3	% Solids	50.3			0.10	%	06/17/04	ae
EPA 160.3 SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,41-DDE* Endrin* Endosulfan II* 4,41-DDD* Endosulfan sulfate* 4,41-DDI* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	3.3 3.3 3.3 3.3 3.3 6.6 6.6 6.6 6.6 6.6		<b>J</b>	3.3 3.3 3.3 3.3 3.3 6.6 6.6 6.6 6.6 6.6	 ug/kg ug/kg ug/kg ug/kkg ug/kkg ug/kkg ug/kkg ug/kkg ug/kkg ug/kkg ug/kg ug/kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

\* In Description = Dry Wgt.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237194

Date: 07/01/2004

PROJECT: COOPER 0310025P CUSTOMER: InteGreyted International, LLC

ATTN: Mark Schumacher

Customer Sample ID: SED-6 Date Sampled....: 06/09/2004
Time Sampled....: 10:40
Sample Matrix....: Sediment Laboratory Sample ID: 237194-17 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	49.7			0.10	%	06/17/04	ae
EPA 160.3	% Solids	50.3			0.10	%	06/17/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	310	U U U	E Z	32 32 32 32 32 32 64 64	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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\* In Description = Dry Wgt.

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M-NY049

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-6
Date Sampled....: 06/09/2004

Laboratory Sample ID: 237194-17 Date Received.....: 06/11/2004 Time Received.....: 14:20

Time Sampled....: 10:40
Sample Matrix...: Sediment

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	330 330 330 930 330 770 210	1 0 0	त्व दह्म दह्म	330 330 330 330 330 660 660	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	lje lje lje
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\* In Description = Dry Wgt.

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Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: L-2
Date Sampled.....: 06/10/2004
Time Sampled.....: 08:00
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-19 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
TEST HETHOD SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.067 0.067 0.067 0.067 0.067 0.067 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	טטטטטטטטטטטטטטטט		0.067 0.067 0.067 0.067 0.067 0.067 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	UNTS  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L  US/L	06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04 06/25/04	
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In Description = Dry Wgt.

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Job Number: 237194

Date: 06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Laboratory Sample ID: 237194-19
Date Received.....: 06/11/2004
Time Received.....: 14:20

Date Sampled: Time Sampled: Sample Matrix:	08:00

Customer Sample ID: L-2

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.67 0.67 0.67 1.3	ט ט ט ט ט	0.67 0.67 0.67 0.67 0.67 1.3	ug/L ug/L ug/L ug/L ug/L ug/L	06/26/04 06/26/04 06/26/04 06/26/04 06/26/04 06/26/04	lje lje lje lje
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\* In Description = Dry Wgt.

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CTDOHS PH-0554



Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

Date Sampled....: 06/10/2004 Time Sampled....: 08:00 Sample Matrix....: Soil

Customer Sample ID: SS-6

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Laboratory Sample ID: 237194-20 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
EPA 160.3	% Hoisture	28.7		0.10	%	06/17/04	ae
EPA 160.3	% Solids	71.3		0.10	%	06/17/04	ae
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHCC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	4.7 4.7 4.7 4.7 4.7 4.7 23 47 4.7	מטטמטטטטטטטטטטטטט	2.3 2.3 2.3 2.3 2.3 2.3 4.7 4.7 4.7 4.7 4.7 4.7 4.7 23	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (846) 562-0841

M-NY049

EPA NY049

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-6 Date Sampled....: 06/10/2004
Time Sampled....: 08:00
Sample Matrix....: Soil

Laboratory Sample ID: 237194-20 Date Received.....: 06/11/2004 Time Received....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۵	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Koisture	28.7			0.10	%	06/17/04	ae
EPA 160.3	% Solids	71.3			0.10	%	06/17/04	ae
sw846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	23 23 23 23 23 23 46 46	טטטטטט		23 23 23 23 23 23 46 46	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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In Description = Dry Wgt.

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NJDEP 73015

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-7 Date Sampled....: 06/10/2004
Time Sampled....: 08:15
Sample Matrix...: Soil Laboratory Sample ID: 237194-21
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	32.8			0.10	%	06/15/04	ae
EPA 160.3	% Solids	67.2			0.10	*	06/15/04	ae
EPA 160.3 SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.5 2.5 2.5 2.5 2.5 2.5 2.5 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט	์ ว	0.10 2.5 2.5 2.5 2.5 2.5 2.5 2.5 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	% ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/15/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;

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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-7

Date Sampled....: 06/10/2004 Time Sampled....: 08:15 Sample Matrix....: Soil

Laboratory Sample ID: 237194-21 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۵	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	360,000,00
EPA 160.3	% Moisture	32.8			0.10	%	06/15/04	ae
EPA 160.3	% Solids	67.2			0.10	%	06/15/04	ae
sw846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	24 24 24 24 48	UUUUUJ	PΙ	24 24 24 24 24 48 48	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	lje lje lje lje
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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample .ID: SS-8 Date Sampled....: 06/10/2004 Time Sampled....: 08:45 Sample Matrix....: Soil

Laboratory Sample ID: 237194-22 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	31.6		0.10	%	06/15/04	ae
EPA 160.3	% Solids	68.4		0.10	%	06/15/04	ae
EPA 160.3 SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan i* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	2.4 2.4 2.4 2.4 2.4 2.4 4.9 4.9	כממפפממפטטטטטטט	2.4 2.4 2.4 2.4 2.4 2.4 2.4 4.9 4.9 4.9 4.9 4.9 4.9 24	% ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/15/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

\* In Description = Dry Wgt.

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### RESULTS LABORATORY TEST

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-8 Date Sampled....: 06/10/2004 Time Sampled....: 08:45 Sample Matrix....: Soil

Laboratory Sample ID: 237194-22 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT		ANALYZED	1000000
EPA 160.3	% Moisture	31.6		0.10	%	06/15/04	
EPA 160.3	% Solids	68.4		0.10	%	06/15/04	ae
sw846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1250*	24 24 24 24 24 24 18 30	ן ני מי מי מי מי מי מי מי מי מי מי מי מי מי	24 24 24 24 24 24 47 47	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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In Description = Dry Wgt.

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Job Number: 237194

Date: 07/01/2004

PROJECT: COOPER 0310025P CUSTOMER: InteGreyted International, LLC

ATTN: Mark Schumacher

Customer Sample ID: SS-9
Date Sampled....: 06/10/2004
Time Sampled....: 09:00
Sample Matrix...: Soil

Laboratory Sample ID: 237194-23 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۵	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	14.1			0.10	*	06/15/04	ae
EPA 160.3	% Solids	85.9			0.10	%	06/15/04	ae
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan Sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde* Technical Chlordane*	1.9 1.9 1.9 1.9 1.9 3.9 3.9 3.9 3.9	ממשכטטטטטטטטטטטטטטטטט	ד כ	1.9 1.9 1.9 1.9 1.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04	

In Description = Dry Wgt.

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RESULTS LABORATORY TEST

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-9 Date Sampled....: 06/10/2004

Time Sampled....: 09:00 Sample Matrix....: Soil

Laboratory Sample ID: 237194-23
Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	***************************************	ANALYZED	0.000000
EPA 160.3	% Moisture	14.1		0.10	%	06/15/04	1
EPA 160.3	% Solids	85.9		0.10	%	06/15/04	ae
SW846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1260*	19 19	טטטט	19 19 19 19 19 38 38	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	ljc ljc ljc ljc
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\* In Description = Dry Wgt.

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Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: SS-10
Date Sampled....: 06/10/2004
Time Sampled....: 09:15
Sample Matrix...: Soil

Laboratory Sample ID: 237194-24 Date Received.....: 06/11/2004 Time Received.....: 14:20

EPA 160.3 % Moisture 14.3 85.7 0.10 % 06/15/04 se  EPA 160.3 % Solids 85.7 0.10 % 06/15/04 se  SN846 8081A Organochlorine Pesticide Analysis aipha-BHC* 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9 U 1.9	TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FL	AGS	REPORTING LIMIT	UNITS	ANALYZEC	TEG	
SW846 8081A Organochlorine Pesticide Analysis alpha-BHC*	EPA 160.3	% Moisture	14.3			0.10	7,	06/15/04	ae	
alpha-BHC*	EPA 160.3	% Solids	85.7			0.10	%	06/15/04	ae	
		Organochlorine Pesticide Analysis alpha-BHC* beta-BHC* delta-BHC* gamma-BHC (Lindane)* Heptachlor* Aldrin* Heptachlor epoxide* Endosulfan I* Dieldrin* 4,4'-DDE* Endrin* Endosulfan II* 4,4'-DDD* Endosulfan sulfate* 4,4'-DDT* Methoxychlor* Toxaphene* Endrin aldehyde*	1.9 1.9 1.9 1.9 1.9 3.9 3.9 3.9 3.9 3.9 3.9 3.9	2 Z	1	1.9 1.9 1.9 1.9 1.9 3.9 3.9 3.9 3.9 3.9 3.9	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04 06/29/04		

\* In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841



RESULTS LABORATORY TEST

Job Number: 237194

Date: 07/01/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-10
Date Sampled....: 06/10/2004
Time Sampled....: 09:15
Sample Matrix...: Soil

Laboratory Sample ID: 237194-24 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	14.3		0.10	%	06/15/04	ae
EPA 160.3	% Solids	85.7		0.10	%	06/15/04	ae
sw846 8082	PCB Analysis Aroclor 1016* Aroclor 1221* Aroclor 1232* Aroclor 1242* Aroclor 1248* Aroclor 1254* Aroclor 1256*	19 19 38	טעיי	19 19 19 19 19 38 38	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg	06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04 06/27/04	lje lje lje lje
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In Description = Dry Wgt.

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STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerion Avenue 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

Job Number: 237194

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-1 Date Sampled....: 06/09/2004 Time Sampled....: 10:15 Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-1 Date Received....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	тесн
EPA 270.2	Selenium (Se)	1.4	В	s	1.3	5.0	1	ug/Ĺ		06/22/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		06/27/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Silver (Ag) Vanadium (V) Zinc (Zn)	3.4 151 0.40 0.40 9.5 3.6 17.6 4460 22.8 9.1 1.9 4.5 76.4	88900888888	νΣ	2.7 0.40 0.40 0.40 0.70 3.2 3.3 18.9 2.5 2.6 1.9 3.3	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	meh meh meh meh meh meh meh meh meh

<sup>\*</sup> In Description = Dry Wgt.

TEST RESULTS LABORATORY

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-1
Date Sampled.....: 06/09/2004
Time Sampled.....: 10:15
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-1 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/16/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/16/04	jpp
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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-2 Date Sampled....: 06/09/2004 Time Sampled.....: 11:45

Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-2 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a)	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 270.2	Selenium (Se)	1.8	В	W	1.3	5.0	1	ug/L		06/21/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/Ł		06/27/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (CB) Cadmium (Cf) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Silver (Ag) Vanadium (V) Zinc (Zn)	2.7 142 0.40 1.1 18.8 3.2 34.1 5700 38.8 11.6 1.9 7.0		N J	2.7 0.40 0.40 0.70 3.2 3.3 18.9 2.5 2.6 1.9 3.3	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	mish mish mish mish mish mish mish mish

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-2 Date Sampled....: 06/09/2004
Time Sampled....: 11:45
Sample Matrix....: Surf. Water Laboratory Sample ID: 237194-2 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT		***********	REPORTING LIMIT		ANALYZED	
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/16/04	1
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/16/04	jpp
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\* In Description = Dry Wgt.

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STL Newburgh 315 Fullerlon Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

.Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-3
Date Sampled.....: 06/09/2004
Time Sampled.....: 14:45
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-3
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	EDL	RL	DIEUTION	UNITS	DΤ	DATE	TECH
EPA 270.2	Selenium (Se)	1.3	U		1.3	5.0	1	ug/L	T	06/21/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L	i	06/27/04	ims
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Silver (Ag) Vanadium (V) Zinc (Zn)	0.40 2.8 3.2 6.1 994 11.3	U B U U B U B B U U B	NJ	2.7 0.40 0.40 0.70 3.2 3.3 18.9 2.5 2.6 1.9 3.3	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	muh muh muh muh muh muh muh muh muh muh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-3 Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-3 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	S REPORTING LIMIT	UNITS	ANALYZED	*********
SM18 4500CNE	Cyanide, Total	0.0100	U	0.0100	mg/L	06/16/04	l
LAC 10210001A	Phenolics, Total Recoverable	0.0100	u	0.0100	mg/L	06/16/04	jpp
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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: SW-4
Date Sampled.....: 06/09/2004
Time Sampled.....: 15:37
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-4
Date Received......: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULI	Q	FLAGS	FDL	RL	DILUTION	UNITS	рτ	DATE	TECH
EPA 270.2	Selenium (Se)	1.3	В	W	1.3	5.0	1	ug/L		06/21/04	mwh
EPA 245.1	Mercury (Hg)	0.20	u		0.20	0.20	1	ug/L		06/27/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Silver (Ag) Vanadium (V) Zinc (Zn)	4.7 174 0.40 1.0 30.4 4.6 60.2 11100 84.2 26.1 1.9 13.1 298	8 B B B B B B B B B B B B B B B B B B B	N I	2.7 0.40 0.40 0.70 3.2 3.3 18.9 2.5 2.6 1.9 3.3 1.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-4
Date Sampled.....: 06/09/2004
Time Sampled.....: 15:37
Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-4 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٩	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/16/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0100	u		0.0100	mg/L	06/16/04	jpp
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\* In Description = Dry Wgt.

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Job Number: 237194

-Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SW-5
Date Sampled....: 06/09/2004
Time Sampled....: 14:45

Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-5
Date Received.....: 06/11/2004

Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	IDL	RL	DILUTION	UNITS	рτ	DATE	TECH
EPA 270.2	Selenium (Se)	1.3	บ		1.3	5.0	1	ug/L	33.033	06/21/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		06/27/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Silver (Ag) Vanadium (V) Zinc (Zn)	2.7 106 0.40 0.40 2.2 3.2 6.2 958 11.9 4.3 1.9 3.3	U B U U B B U U B		2.7 0.40 0.40 0.70 3.2 3.3 18.9 2.5 2.6 1.9 3.3	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	10 10 10 10 10 10 10 10 10 10 10 10 10 1

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P.

ATTN: Mark Schumacher

Customer Sample ID: SW-5
Date Sampled....: 06/09/2004
Time Sampled....: 14:45 Sample Matrix....: Surf. Water Laboratory Sample ID: 237194-5
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/16/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0100	υ		0.0100	mg/L	06/16/04	qqį
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\* In Description = Dry Wgt.

Page 6 STL Newburgh is a part of Severn Trent Laboratories, Inc.

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (645) 562-0890 Fax (845) 562-0841



Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: L-1 Date Sampled....: 06/09/2004 Time Sampled....: 13:00

Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-6
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
EPA 270.2	Selenium (Se)	1.3	u		1.3	5.0	1	ug/L		06/21/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		06/27/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Silver (Ag) Vanadium (V) Zinc (Zn)	14.4 739 0.40 50.6 15.8 7.0 63.0 78200 51.6 15.7 1.9 4.8 1360	U B BUB	τn	2.7 0.40 0.40 0.40 0.70 3.2 3.3 18.9 2.5 2.6 1.9 3.3	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: L-1

Date Sampled....: 06/09/2004 Time Sampled....: 13:00 Sample Matrix...: Surf. Water Laboratory Sample ID: 237194-6
Date Received.....: 06/11/2004

Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE: RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALY2ED	TECH
SM18 4500CNE	Cyanide, Total	0.0190			0.0100	mg/L	06/16/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0490			0.0100	mg/L	06/16/04	jpp
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\* In Description = Dry Wgt.

Page 7 STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

.Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-1
Date Sampled.....: 06/09/2004
Time Sampled.....: 11:20
Sample Matrix....: Soil

Laboratory Sample ID: 237194-7
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	1.2	В		0.43	1.6	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.24			0.077	0.077	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	6.1 114 0.48 17.4 106 7.4 116 17900 87.7 31.8 4.1 16.5 433	ВВ	Nゴ Eゴ	0.63 0.13 0.099 0.13 0.20 0.82 0.53 5.5 0.36 0.56 0.72 0.76 1.3	3.3 65.8 1.6 1.6 3.3 16.5 8.2 32.9 1.6 13.2 3.3 16.5 6.6	111111111111111111111111111111111111111	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-1 Date Sampled....: 06/09/2004 Time Sampled....: 11:20 Sample Matrix...: Soil Laboratory Sample ID: 237194-7
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	38.0			0.10	%	06/15/04	ae
EPA 160.3	% Solids	62.0			0.10	*	06/15/04	
SW846 9010B	Cyanide, Total*	1.6	υ	иΣ	1.6	mg/Kg	06/21/04	bg
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In Description = Dry Wgt.

Page 2
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EPA NY049

Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-2
Date Sampled....: 06/09/2004
Time Sampled....: 10:30
Sample Matrix...: Soil

Laboratory Sample ID: 237194-8
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAI	GS IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.34	u	0.34	1.3	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.093		0.067	0.067	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	2.7 105 0.41 0.11 16.7 10.8 27.9 18500 82.2 24.7 0.62 16.7 108		0.53 0.11 0.084 0.11 0.17 0.70 0.45 4.7 0.31 0.48 0.62 0.64 1.1	2.8 56.0 1.4 1.4 2.8 14.0 7.0 28.0 1.4 11.2 2.8 14.0 5.6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-2 Date Sampled....: 06/09/2004
Time Sampled....: 10:30
Sample Matrix...: Soil

Laboratory Sample ID: 237194-8
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
EPA 160.3	% Hoisture	25.5			0.10	x	06/15/04	1
EPA 160.3	% Solids	74.5			0.10	%	06/15/04	1
SW846 9010B	Cyanide, Total*	. 1.3	υ	H Z	1.3	mg/Kg	06/21/04	bg
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SEVERN STL NYSDOH 10142

NJDEP 73015 CTDOHS PH-0554 PA 68-378 M-NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-3
Date Sampled....: 06/09/2004
Time Sampled....: 10:00
Sample Matrix...: Soil

Laboratory Sample ID: 237194-9
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.36	U	W	0.36	1.4	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.12		:	0.068	0.068	1	mg/Kg		06/29/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Cd)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	6.3 35.5	в в в	* * * * * * * * * * * * * * * * * * *	0.54 0.11 0.085 0.17 0.17 0.71 0.46 4.8 0.31 0.48 0.63 0.63 1.1	2.8 57.0 1.4 1.4 2.8 14.2 7.1 28.5 1.4 11.4 2.8 14.2 5.7	1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-3 Date Sampled....: 06/09/2004
Time Sampled....: 10:00
Sample Matrix....: Soil Laboratory Sample ID: 237194-9
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT		ANALYZED	*******
EPA 160.3	% Moisture	29.8			0.10	%	06/17/04	
EPA 160.3	% Solids	70.2			0.10	%	06/17/04	
SW846 9010B	Cyanide, Totai*	1.4	U	2	1.4	mg/Kg	06/28/04	ga
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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumecher

Customer Sample ID: SS-4
Date Sampled.....: 06/09/2004
Time Sampled.....: 13:05
Sample Matrix....: Soil

Laboratory Sample ID: 237194-10
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT DATE	TEC
SW846 7740	Selenium (Se)*	0.79	B 2	0.67	2.6	1	mg/Kg	06/21/	'04 mwh
SW846 7471A	Mercury (Hg)*	0.40	2	0.13	0-13	1	mg/Kg	06/18/	ļ
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	5.1 424 0.56 33.6 83.6 9.6 217 37400 294 37.2 2.6 37.5 1670	TITATION ED	0.90 0.19 0.14 0.19 0.28 1.2 0.75 7.9 0.52 0.80 1.0 1.1	4.7 94.3 2.4 2.4 4.7 23.6 11.8 47.2 2.4 18.9 4.7 23.6 9.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	06/22, 06/22, 06/22, 06/22, 06/22, 06/22, 06/22, 06/22, 06/22,	704 mwh 704 mwh 704 mwh 704 mwh 704 mwh 704 mwh 704 mwh 704 mwh 704 mwh 704 mwh 704 mwh

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY RESULTS TEST

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-4
Date Sampled....: 06/09/2004
Time Sampled....: 13:05
Sample Matrix...: Soil

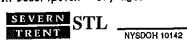
Laboratory Sample ID: 237194-10 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION		Q FLAGS	REPORTING LIMIT		ANALYZED	(100000000
EPA 160.3	% Hoisture	61.4		0.10	*	06/15/04	1
EPA 160.3	% Solids	38.6		0.10	%	06/15/04	1
SW846 9010B	Cyanide, Total*	7.8	и2	2.6	mg/Kg	06/21/04	bg
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In Description = Dry Wgt.

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EPA NY049



Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-5
Date Sampled....: 06/09/2004
Time Sampled....: 13:00
Sample Matrix...: Soil

Laboratory Sample ID: 237194-11
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۹۱	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	тесн
SW846 7740	Selenium (Se)*	0.63	В		0.31	1.2	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.26			0.057	0.057	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	440 21200 96.5 19.7 1.6	B B B BB	N T E J	0.49 0.10 0.078 0.10 0.16 0.65 0.41 4.4 0.29 0.44 0.57 0.60 1.0	2.6 51.8 1.3 1.3 2.6 13.0 6.5 25.9 1.3 10.4 2.6 13.0 5.2	1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mah mah mah mah mah mah mah mah mah

<sup>\*</sup> In Description = Dry Wgt.

#### RESULTS LABORATORY TEST

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC PROJECT: COOPER 0310025P ATTN: Mark Schumacher

Customer Sample ID: SS-5 Date Sampled....: 06/09/2004 Time Sampled....: 13:00 Sample Matrix....: Soil

Laboratory Sample ID: 237194-11 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST: METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	19.6			0.10	*	06/15/04	ae
EPA 160.3	% Solids	80.4			0.10	*	06/15/04	ae
SW846 90108	Cyanide, Total*	· 49.0		ъJ	2.5	mg/Kg	06/21/04	bg
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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-1
Date Sampled....: 06/09/2004
Time Sampled....: 10:15
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-12
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.56	บ 3	0.56	2.1	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.19	7	0.096	0.096	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Ce)* Cadmium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	0.31 5.2 74.2 7.5 102 16400 80.0 33.5 2.6	8 8 8 8 777777 T T T T T T T T T T T T T	0.88	3.8 76.5 1.9 1.9 3.8 19.1 9.6 38.3 1.9 15.3 3.8 19.1 7.7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mich mich mich mich mich mich mich mich

<sup>\*</sup> In Description = Dry Wgt.

### TEST RESULTS LABORATORY

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, ELC PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-1
Date Sampled....: 06/09/2004
Time Sampled....: 10:15
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-12 Date Received.....: 06/11/2004 Time Received.....: 14:20

EPA 160.3 % Solids 47.5 0.10 % 06/1	ZED TEC
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SW846 9010B Cyanide, Total*  2.1 U NJ 2.1 mg/Kg 06/2	704 ae
	/04 bg
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\* In Description = Dry Wgt.

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EPA NY049



Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: SED-2
Date Sampled....: 06/09/2004
Time Sampled....: 11:45
Sample Matrix....: Sediment

Laboratory Sample ID: 237194-13
Date Received......: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.65	u .		0.65	2.5	1	mg/Kg	200.00	06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.11	U	7	0.11	0.11	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	5.0 89.9 0.31 2.8 78.3 7.8 105 14600 80.3 37.7 2.4 18.0 363	BB B BB	35115	0.88 0.18 0.14 0.18 0.28 1.2 0.74 7.8 0.51 0.78 1.0 1.1	4.6 92.3 2.3 4.6 23.1 11.5 46.2 2.3 18.5 4.6 23.1 9.2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	muh muh muh muh muh muh muh muh muh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

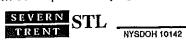
Customer Sample ID: SED-2
Date Sampled....: 06/09/2004 Time Sampled....: 11:45
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-13
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	57.5			0.10	*	06/15/04	ae
EPA 160.3	% Solids	42.5			0.10	%	06/15/04	ae
SW846 9010B	Cyanide, Total*	2.1	U	য	2.1	mg/Kg	06/22/04	bg
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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-3
Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-14
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۵	FLAGS	IDL	RL	DILUTION	UNITS	ρπ	DATE	TECH
SW846 7740	Selenium (Se)*	0.57	U	wJ	0.57	2.2	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Kg)*	0.10	U	2	0.10	0.10	1	mg/Kg		06/29/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	4.1 119 0.42 5.7 97.9 8.8 120 18800 171 45.7 3.0 20.4	В	ユニュニュニュニュ ユ ユ ユニュニュニュニュニュニュニュニュニュニュニュニュニュニュニュニュニュニ	0.87 0.18 0.14 0.18 0.27 1.1 0.73 7.7 0.50 0.78 1.0 1.1 1.8	4.6 91.7 2.3 4.6 22.9 11.5 45.8 2.3 18.3 4.6 22.9 9.2	1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

### TEST RESULTS LABORATORY

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-3 Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix...: Sediment Laboratory Sample ID: 237194-14
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٩	FLAGS	REPORTING LIMIT		ANALYZED	***********
EPA 160.3	% Moisture	53.6			0.10	%	06/17/04	
EPA 160.3	% Solids	46.4			0.10	%	06/17/04	
SW846 9010B	Cyanide, Total*	2.0	U	2	2.0	mg/Kg	06/22/04	bg
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In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-4
Date Sampled....: 06/09/2004
Time Sampled....: 15:30
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-15
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.51	U		0.51	2.0	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.097			0.086	0.086	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cr)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	1.9 82.9 0.29 0.66 49.3 6.7 89.1 13900 80.1 26.7 2.4 15.1 274	88888	J	0.65 0.14 0.10 0.14 0.21 0.86 0.55 5.8 0.38 0.59 0.76 0.79	3.4 68.9 1.7 1.7 3.4 17.2 8.6 34.5 1.7 13.8 3.4 17.2 6.9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

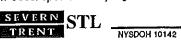
Customer Sample ID: SED-4 Date Sampled....: 06/09/2004 Time Sampled....: 15:30 Sample Matrix...: Sediment

Laboratory Sample ID: 237194-15
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	47.2			0.10	%	06/15/04	ae
EPA 160.3	% Solids	52.8			0.10	%	06/15/04	i
SW846 9010B	Cyanide, Total*	1.9	U		1.9	mg/Kg	06/22/04	bg
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\* In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-5
Date Sampled....: 06/09/2004
Time Sampled....: 14:45
Sample Matrix....: Sediment

Laboratory Sample ID: 237194-16
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST: METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.57	U	য	0.57	2.2	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.15		7	0.11	0.11	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Ct)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	3.8 99.5 0.31 2.6 72.8 8.6 105 18600 127 35.8 2.6 19.1 326	B	<u>2</u> 2	0.79 0.17 0.12 0.17 0.25 1.0 0.67 7.0 0.46 0.71 0.92 0.96 1.6	4.2 83.2 2.1 2.1 4.2 20.8 10.4 41.6 2.1 16.6 4.2 20.8 8.3	1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-5 Date Sampled....: 06/09/2004 Time Sampled....: 14:45 Sample Matrix....: Sediment

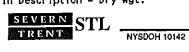
Laboratory Sample ID: 237194-16 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	×	UNITS	ANALYZED	300000000000000000000000000000000000000
EPA 160.3	% Moisture	52.9		0.10	<b>x</b>	06/15/04	١,
EPA 160.3	% Solids	47.1		0.10	*	06/15/04	1
SW846 9010B	Cyanide, Total*	2.1	n 2	2.1	mg/Kg	06/22/04	bg
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In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-6
Date Sampled.....: 06/09/2004
Time Sampled.....: 10:40
Sample Matrix...: Sediment

Laboratory Sample ID: 237194-17
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	IDL .	RL	DILUTION	UNITS	DΤ	DATE	TECH
sw846 7740	Selenium (Se)*	1.1	В	W	0.51	2.0	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.26			0.099	0.099	1	mg/Kg		06/30/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	9.0 349 0.76 21.1 67.3 6.4 99.1 32400 46.0 40.8 2.9 20.2 405	B B B	**************************************	0.71 0.15 0.11 0.15 0.23 0.94 0.60 6.3 0.41 0.64 0.83 0.86 1.5	3.8 75.1 1.9 1.9 3.8 18.8 9.4 37.5 1.9 15.0 3.8 18.8 7.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

### RESULTS LABORATORY TEST

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SED-6 Date Sampled....: 06/09/2004 Time Sampled....: 10:40 Sample Matrix....: Sediment

Laboratory Sample ID: 237194-17 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT		ANALYZED	4
EPA 160.3	% Moisture	49.7		0.10	%	06/17/04	1
EPA 160.3	% Solids	50.3		0.10	%	06/17/04	1
4846 9010B	Cyanide, Total*	2.0	u	2.0	mg/Kg	06/22/04	þį
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\* In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: L-2

Date Sampled....: 06/10/2004 Time Sampled....: 08:00

Sample Matrix....: Surf. Water

Laboratory Sample ID: 237194-19 Date Received.....: 06/11/2004

Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	тесн
EPA 270.2	Selenium (Se)	2.5	В	W	1.3	5.0	1	ug/L	2.0562	06/21/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		06/27/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Ce) Cadmium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Silver (Ag) Vanadium (V) Zinc (Zn)	83.6 0.40 0.40	8 B U U U U B B U U		2.7 0.40 0.40 0.70 3.2 3.3 18.9 2.5 2.6 1.9 3.3	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

### RESULTS LABORATORY TEST

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: L-2
Date Sampled....: 06/10/2004
Time Sampled....: 08:00
Sample Matrix...: Surf. Water

Laboratory Sample ID: 237194-19
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/16/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0400			0.0100	mg/L	06/16/04	jpp
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\* In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-6 Date Sampled....: 06/10/2004 Time Sampled....: 08:00

Sample Matrix....: Soil

Laboratory Sample ID: 237194-20 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TEC
SW846 7740	Selenium (Se)*	0.35	U	W	0.35	1.3	1	mg/Kg	000000	06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.064	U	:	0.064	0.064	1	mg/Kg		06/30/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	0.92 22.0 0.34 0.11 8.6 2.1 14.9 8590 9.4 13.5 0.62 3.4 56.0	8880 8 28	* * * * * * * * * * * * * * * * * * *	0.53 0.11 0.084 0.11 0.17 0.70 0.45 4.7 0.31 0.48 0.62 0.65 1.1	2.8 56.1 1.4 1.4 2.8 14.0 7.0 28.1 1.4 11.2 2.8 14.0 5.6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC PROJECT: COOPER 0310025P ATTA: Mark Schumacher

Customer Sample ID: SS-6
Date Sampled....: 06/10/2004
Time Sampled....: 08:00
Sample Matrix...: Soil

Laboratory Sample ID: 237194-20 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
EPA 160.3	% Moisture	28.7			0.10	%	06/17/04	
EPA 160.3	% Solids	71.3			0.10	%	06/17/04	! I
SW846 9010B	Cyanide, Total*	1.5	u	2	1.5	mg/Kg	06/22/04	bg
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\* In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-7
Date Sampled....: 06/10/2004

Time Sampled..... 08:15 Sample Matrix....: Soil Laboratory Sample ID: 237194-21
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	۵	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.39	U		0.39	1.5	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.099			0.071	0.071	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	1.3 43.1 0.20 0.27 13.9 4.3 26.4 14000 39.1 11.9 0.61 7.8 273	8 B B B B B	иЈ	0.52 0.11 0.083 0.11 0.17 0.69 0.44 4.6 0.30 0.47 0.61 0.63 1.1	2.8 55.1 1.4 2.8 13.8 6.9 27.5 1.4 11.0 2.8 13.8 5.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

### $R\;E\;S\;U\;L\;T\;S$ LABORATORY TEST

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-7 Date Sampled....: 06/10/2004 Time Sampled.....: 08:15 Sample Matrix....: Soil

Laboratory Sample ID: 237194-21 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	32.8			0.10	%	06/15/04	ве
EPA 160.3	% Solids	67.2			0.10	%	06/15/04	ae
SW846 9010B	Cyanide, Total*	. 1.5	U	2	1.5	mg/Kg	06/22/04	bg
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\* In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-8
Date Sampled....: 06/10/2004
Time Sampled....: 08:45
Sample Matrix...: Soil

Laboratory Sample ID: 237194~22
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a F	LAGS	IDL	RL	DILUTION	UNITS	рτ	DATE	TECH
SW846 7740	Selenium (Se)*	0.40	υ		0.40	1.5	1	mg/Kg	233330	06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.073	U		0.073	0.073	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	3.4 63.7 0.50 0.12 21.8 4.3 60.1 21400 55.6 19.0 0.64 9.2 508	BU B	E <b>J</b>	0.56 0.12 0.088 0.12 0.18 0.73 0.47 4.9 0.32 0.50 0.64 0.67 1.1	2.9 58.5 1.5 1.5 2.9 14.6 7.3 29.2 1.5 11.7 2.9 14.6 5.8	111111111111111111111111111111111111111	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-8
Date Sampled....: 06/10/2004 Time Sampled....: 08:45 Sample Matrix....: Soil

Laboratory Sample ID: 237194-22 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	**************	ANALYZED	3 0 000000
EPA 160.3	% Moisture	31.6		0.10	*	06/15/04	1
EPA 160.3	% Solids	68.4		0.10	%	06/15/04	
SW846 9010B	Cyanide, Total*	2.2	2	1.5	mg/Kg	06/22/04	bg
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\* In Description = Dry Wgt.

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Job Number: 237194

Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-9
Date Sampled.....: 06/10/2004
Time Sampled.....: 09:00
Sample Matrix....: Soil

Laboratory Sample ID: 237194-23
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
SW846 7740	Selenium (Se)*	0.61	В	W	0.30	1.2	1	mg/Kg		06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.089			0.058	0.058	1	mg/Kg		06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Be)* Cadmium (Cd)* Chromium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	12.4 90.7 0.76 2.4 21.8 5.9 330 17100 165 17.7 0.53 15.9 290	8 8	E 7	0.56	2.4 48.5 1.2 2.4 12.1 6.1 24.2 1.2 9.7 2.4 12.1 4.8	1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04 06/22/04	mwh mwh mwh mwh mwh mwh mwh mwh mwh

<sup>\*</sup> In Description = Dry Wgt.

### RESULTS LABORATORY TEST

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

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PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

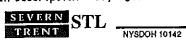
Customer Sample ID: SS-9
Date Sampled....: 06/10/2004
Time Sampled....: 09:00
Sample Matrix...: Soil

Laboratory Sample ID: 237194-23 Date Received.....: 06/11/2004 Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RÈSULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	14.1			0.10	%	06/15/04	ae
EPA 160.3	% Solids	. 85.9			0.10	%	06/15/04	ae
SW846 9010B	Cyanide, Total*	. 1.2	U	2	1.2	mg/Kg	06/22/04	bg
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<b>!</b> )								

In Description = Dry Wgt.

Page 23 STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237194

.Date:06/30/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: SS-10
Date Sampled.....: 06/10/2004
Time Sampled.....: 09:15
Sample Matrix....: Soil

Laboratory Sample ID: 237194-24
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS DT	DATE	TECH
SW846 7740	Selenium (Se)*	0.30	U	***********	0.30	1.2	1	mg/Kg	06/21/04	mwh
SW846 7471A	Mercury (Hg)*	0.056	U		0.056	0.056	1	mg/Kg	06/18/04	lms
SW846 6010B	Metals Analysis (ICAP) Arsenic (As)* Barium (Ba)* Beryllium (Cd)* Cadmium (Cr)* Cobalt (Co)* Copper (Cu)* Iron (Fe)* Lead (Pb)* Nickel (Ni)* Silver (Ag)* Vanadium (V)* Zinc (Zn)*	0.84 91.9 0.51 0.18 175 7.5 117 60500 48.7 91.2 0.97 19.6 647	N 80 B DB	2	0.84 0.18 0.18 0.26 1.1 0.70 7.4 0.48 0.75 0.97 1.0 1.7	4.4 88.1 2.2 2.2 4.4 22.0 11.0 44.1 2.2 17.6 4.4 22.0 8.8	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04 06/23/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

RESULTS LABORATORY TEST

Job Number: 237194

Date: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

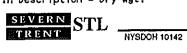
Customer Sample ID: SS-10
Date Sampled....: 06/10/2004 Time Sampled....: 09:15 Sample Matrix....: Soil

Laboratory Sample ID: 237194-24
Date Received.....: 06/11/2004
Time Received.....: 14:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	14.3			0.10	*	06/15/04	ae
EPA 160.3	% Solids	85.7			0.10	*	06/15/04	ae
SW846 9010B	Cyanide, Total*	1.2	U	7	1.2	mg/Kg	06/22/04	bg
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In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Averue Newburgh, NY 12550 Tet (845) 562-0890 Fax (845) 562-0841

EPA NY049

## 2A WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	STL New	ourgh	Contract:	<del></del>	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194	

SMC1	SMC2	SMC3	TOT
(DCE) #	(TOL) #	(BFB) #	OUT
99	99	94	0
102	101	90	0
97	99_	91	0
98	97	91	0
99	101	93	00
98	98	94	00
99	99	90	0
96	96	88	0
97	97	96	0
99	97	92	0
99	98	95	0
99	100	97	0
99	98	94	0
	99 102 97 98 99 98 99 99 99 99	(DCE) # (TOL) #  99 99  102 101  97 99  98 97  99 101  98 98  99 99  96 96  97 97  99 97  99 98  99 99  90 90	(DCE) #         (TOL) #         (BFB) #           99         99         94           102         101         90           97         99         91           98         97         91           99         101         93           98         98         94           99         99         90           96         96         88           97         97         96           99         97         92           99         98         95           99         100         97

### QC LIMITS

 SMC1 (DCE)
 = 1,2-Dichloroethane-d4
 (71-136)

 SMC2 (TOL)
 = Toluene-d8
 (79-109)

 SMC3 (BFB)
 = Bromofluorobenzene
 (71-136)

# Column to be used to flag recovery values

- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

page 1 of 1

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CTDOHS PH-0554



## 2B

## SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	STL Newburgh		Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237194	
Level: (levele	MO I (her					

EPA	SMC1	SMC2	SMC3	TOT
SAMPLE NO.	(DCE) #	(TOL) #	(BFB) #	OUT
01 VBLK088A	90	110	94	0_
02 SED-1	96	116	103	0
03 SED-2	87	143	109	0
04 SED-3	93	114	93	0
05 SS-4	93	126	75	0
06 SED-4	92	112	83	0
07 SED-5	95	118	89	0
08 SS-6	94	129	74	0
09 VBLK089	98	107	104	0
10 SS-2	94	131	94	0
11 SS-5	102	160 *	73	1
12 VBLK090	89	114	107	0
13 SS-3	91	129	90	0
14 SED-6	104	108	82	0
15 SS-1	106	106	65	0
16 SS-5RE	102	139	61	0
17 SS-7	104	103	62	0
18 SS-8	109	106	62	0
19 SS-9	126·	122	65	0
20 SED-3MS	98	99	87	0
21 SED-3MSD	96	102	86	0
22 VBSPK23	105	91	91	0
23 VBLK091	109	93	87	0
24 SS-9RE	126	108	60	0
25 SS-10	112	115	56	0
26 SS-10RE	94	147 *	74	1

### QC LIMITS

SMC1	(DCE)	=	1,2-Dichloroethane-d4	(80-136)
SMC2	(TOL)	=	Toluene-d8	(72-143)
SMC3	(BFB)	=	Bromofluorobenzene	(49-138)

# Column to be used to flag recovery values

- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

page 1 of 1

FORM II VOA-2 STL Newburgh is a pan of Severn Trent Laboratories, Inc.

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EPA NY049

## 2C WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name:	STL Newburgh		Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237194

EPA	S1	S2	S3	S4	S5	S6	S7	S8	TOT
SAMPLE NO.	(2FP) #	(PHL) #	(2CP) #	(DCB) #	(NBZ) #	(FBP) #	(TBP) #	(TPH) #	OUT
1 SBLK17	35	27	57	31	53	44	69	60	0
SBSPK17	41	30	65	38	59	50	73	63	0
3 SW-1	26	18	41	22	37	33	71	77	0
4 SW-2	28	22	41	20	36	28	74	77	0
5 SW-3	31	19	45	31	48	46	71	66	0
5 SW-4	30	19	41	25	43	38	71	69	0
7 SW-5	40	30	56	32	52	44	74	82	0
3 L-1	24	15	47	34	50	45	67	58	0
L-2	43	27	66	41	69	57	76	82	0
SW-3MS	37	25	54	32	53	49	68	78	0
SW-3MSD	44	26	62	40	66	55	80	81	0
L-2RE	42	24	60	40	66	52	83	86	0

### QC LIMITS

S1	(2FP)	=	2-Fluorophenol	(2-47)
S2	(PHL)	=	Phenol-d5	(5-37)
S3	(2CP)	=	2-Chlorophenol-d4	(11-93)
<b>S4</b>	(DCB)	=	1,2-Dichlorobenzene-d4	(10-90)
<b>S</b> 5	(NBZ)	=	Nitrobenzene-d5	(18-117)
S6	(FBP)	=	2-Fluorobiphenyl	(17-113)
<b>S7</b>	(TBP)	=	2,4,6-Tribromophenol	(17-122)
SR	(TPH)	=	Terohenvi-d14	(18-130)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

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## 2D SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name:	STL Newburgi	า	Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237194	
Level: (low/n	ned) LOW					

EPA	S1	S2	S3	84	S5	S6	S7	S8	TOT
SAMPLE NO	. (2FP) #	(PHL) #	(2CP) #	(DCB) #	(NBZ) #	(FBP) #	(TBP) #	(TPH) #	OUT
01 SBLK22	56	57	57	45	51_	70	59	81	0
02 SBSPK22	54	55	55	45	49	61	63	70	0
03 55-1	31	31	32	20	26	34	38	45	0_
04 SS-2	50	51	50	40	46	5 <u>5</u>	60	69	0
05 SS-3	32	32	32	25	29	34	43	48	0
06 SS-5	59	61	57	36	52	55	58	63	00
07 SED-6	28	30	29	16	25	33	40	48	0
08 SS-6	65	63	63	46	60	67	68	83	0
09 SS-7	50	49	49	36	45	52	61	74	0
10 SS-8	48	47	50	33	46	49	58	64	0
11 SS-10	43	45	44	28	38	47	54	78	0
12 SED-4	25	27	26	15	21	28	35	60	0
13 SED-5	27	28	28	16	22	32	35	49	0
14 SS-9	33	38	37	24	30	40	43	56	0
15 SED-1	65	63	63	47	57	67	71	97	0
16 SS-4	28	32	32	20	26	34	43	63	0
17 SED-2	60	57	60	42	51	<u>57</u>	55	97	0
18 SED-3	54	57	57	36	47	55	60	95	0
19 SED-3MS	56.	55	55	37	47	52	<u>58</u>	92	0
20 SED-3MSD	55	57	54	38	46	84	72	85	0
21 SED-6RE	28	31	30	16	24	31	39	67	0
22 SS-6RE	64	64	64	47	58	65	70	112	0
23 SS-7RE	50	49	49	36	45	52	58	97	0
24 SS-8RE	53	52	52	33	46	50	55	89	0
25 SS-10RE	43	46	45	28	37	46	54	87	0
26 SED-4RE	26	26	26	15	21	26	37	74	0
27 SED-5RE	25	28	27	16	22	27	36	61	0
28 SS-9RE	41	43	42	27	33	43	47	88	0
29 SED-1RE	63	63	63	47	55	76	73	114	0
30 SS-4RE	32	35	33	20	26	33	41	75	0
31 SED-2DL	58 D	61 D	64 D	46 D	51 D	D	67 D	123 D	0

## QC LIMITS

S1	(2FP)	=	2-Fluorophenol	(7-96)
S2	(PHL)	==	Phenol-d5	(7-96)
S3	(2CP)	=	2-Chiorophenol-d4	(4-102)
S4	(DCB)	=	1,2-Dichlorobenzene-d4	(6-66)
S5	(NBZ)	=	Nitrobenzene-d5	(6-73)
S6	(FBP)	=	2-Fluorobiphenyl	(10-85)
S7	(TBP)	=	2,4,6-Tribromophenol	(15-113)
S8	(TPH)	=	Terphenyl-d14	(15-137)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

STL Newburgh is a part of Severn Trent Laboratories, Inc.



### 2E WATER PESTICIDE SURROGATE RECOVERY



Lab Name:

STL Newburgh

Contract:

ab Code:

10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): Rtx-CLPest ID: 0.32 (mm)

GC Column (2): Rtx-CLPest2 ID: 0.32 (mm)

	EPA	TCX	1	TCX	2	DCB	1	DCB	2	OTHER	OTHER	ТОТ
	SAMPLE NO.	%REC	#	%REC	#	%REC	#	%REC	#	(1)	(2)	OUT
1	PBLK11	70		72		95		80				0
2	PBSPK11	140	*	135	*	142		137				2
3	SW-1	114		121	*	137		162	*			2
4	SW-2	73		76		115		88				0
5	SW-3	67		70		84		80				0
6	SW-3MS	119		124	*	141		128				1
7	SW-3MSD	115		119		122		113				. 0
8	SW-4	127	*	127	*	122		117				2
9	SW-5	118		130	*	121		112				1
10	L-1	71		78		95		88				0
11	L-2	90		76		78		70				0
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**ADVISORY** QC LIMITS

TCX = Tetrachloro-m-xylene

(38-120)

DCB = Decachlorobiphenyl

(28-146)

# Column used to flag recovery values

- \* Values outside of QC limits.
- D Surrogates Diluted out.

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3/90

### 2F

## SOLID PESTICIDE SURROGATE RECOVERY



Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): Rtx-CLPest ID: 0.32 (mm)

GC Column (2): Rtx-CLPest2 ID: 0.32 (mm)

	EPA	TCX 1	TCX 2	2	DCB	1	DCB	2	OTHER	OTHER	тот
	SAMPLE NO.	%REC #	%REC #	#	%REC	#	%REC	#	(1)	(2)	OUT
1	PBLK18	103	117	Ţ	116		123			<del></del>	0
2	PBSPK18	48	51	7	110	"	109				0
3	SS-1	80	80	7	249	*	162	*			2
4	SS-2	73	74		135	*	153	*			2
5	SS-3	74	87	7	96		126	*			1
6	SS-4	110	110	Т	428	*	484	*			2
7	SS-5	50	68		98		159	*			1
8	SED-1	91	98		262	* .	479	*			2
9	SED-2	103	129 *	न	257	*	580	*			3
10	SED-3	79	95	Τ	176	*	450	*		_	2
11	SED-4	66	77	T	168	*	391	*			2
12	SED-5	49	53		106		259	*			1
13	SED-6	64	68		133	*	245	*		_	2
14	SS-6	123 *	123 *	П	103		112		·		2
15	SS-7	56	65	T	125	*	183	*			2
16	SS-8	90	112	Ι	94		192	*			1
17	SS-9	88	102		300	*	374	*		_	2
18	SS-10	64	76		45		108			_	0
19	SED-3MS	80	134 *		230	*	523	*			3
20	SED-3MSD	86	93	T	173	*	499	*			2
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**ADVISORY QC LIMITS** 

TCX = Tetrachloro-m-xylene

(32-121)

DCB = Decachlorobiphenyl

(30-125)

# Column used to flag recovery values

\* Values outside of QC limits.

D Surrogates Diluted out.

STF ORMIGHIS appropriate Trent Laboratories, Inc.

3/90



## 2E WATER PESTICIDE SURROGATE RECOVERY

Lab Name: STL Newburgh

Contract:

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): Rtx-CLPest ID: 0.32 (mm)

GC Column (2): Rtx-CLPest2 ID: 0.32 (mm)

			<b>=</b> 0\(\alpha\)	DOD /	505 6	071170		
	EPA	TCX 1	TCX 2	DCB 1	DCB 2	OTHER	OTHER	ТОТ
	SAMPLE NO,	%REC #	%REC #	%REC #		(1)	(2)	OUT
1	PBLK11	69	76	80	83			0
2	PBSPK11	97	98	102	108			0
3		84	120	97	103			0
4	SW-2	72	75	88 ·	90			0
5	SW-3	62	64	73	72			0
6	SW-3MS	90	87	84	87			0
7	SW-3MSD	101	100	82	90			0
8	SW-4	84	80	94	87			0
9	SW-5	78	72	95	91			0
10	L-1	61	64	78	63			0
11	L-2	64	83	64	57			0
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**ADVISORY** QC LIMITS

TCX = Tetrachloro-m-xylene DCB = Decachlorobiphenyl

(38-120)(28-146)

# Column used to flag recovery values

\* Values outside of QC limits.

D Surrogates Diluted out.

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3/90

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841



EPA NY049

NJDEP 73015

### 2F SOLID PESTICIDE SURROGATE RECOVERY



Lab Name: STL Newburgh

Contract:

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): Rtx-CLPest ID: 0.32 (mm)

GC Column (2): Rtx-CLPest2 ID: 0.32 (mm)

	EPA	TCX 1	TCX 2	DCB	1	DCB	2	OTHER	OTHER	тот
	SAMPLE NO.	%REC #	%REC #	%REC	#	%REC	#	(1)	(2)	OUT
1	PBLK18	96	88	88		83				0
2	PBSPK18	76	70	88		86				0
3	SS-1	65	62	219	*	100				1
4	SS-2	70	69	135	*	93				1
5	SS-3	77	91	91		85				0
6	SS-4	56	61	260	*	84				1
7	SS-5	44	54	117		80_				0
8	SED-1	55	95	372	*	98				1
9	SED-2	66	145 *	311	*	84				2
10	SED-3	54	47	283	*	91				1
11	SED-3MS	35	35	184	*	56				1
12	SED-3MSD	51	118	209	*	71				1
13	SED-4	56	80	286	*	70				1
14	SED-5	51	54	260	*	72				1
15	SED-6	52	79	236	*	102				1
16	SS-6	52	35	69		61				0
17	SS-7	57	88	143	*	75				1
18	SS-8	58	62	77		74				0
19	SS-9	62	68	164	*	93				1
20	SS-10	37	43	70		51				0
21	SS-1DL	88	82	226	*	189	*			2
22	SED-1DL	78	62	313	*	166	*			2
23	SED-2DL	100	87	255	*	160	*			2
24	SED-3DL	50	140 *	241	*	142	*			3
25	SED-4DL	75	64	247	*	131	*			2
26	SED-5DL	74	80	226	*	131	*			2
27	SED-6DL	53	85	252	*	177	*			2
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**ADVISORY QC LIMITS** 

TCX = Tetrachloro-m-xylene

(32-121)

DCB = Decachlorobiphenyl

(30-125)

# Column used to flag recovery values

\* Values outside of QC limits.

D Surrogates Diluted out.

STF@RWphis a Part & Teent Laboratories, Inc.

3/90

M-NY049



# 3BS WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name:	STL Newbu	ırgh	Contract:	
Lab Code:	10142	Case No.:	, SAS No.:	SDG No.: 237194
Matrix Spike	- EPA Sam	ole No. VBSPK23		

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	REC.
1,1-Dichloroethene	50	49	98	73 - 133
Trichloroethene	50	51	102	74 - 127
Benzene	50	52	104	73 - 131
Toluene	50	50	100	81 - 123
Chlorobenzene	50	49	98	77 - 127

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:	



## 3BS SOIL VOLATILE BLANK SPIKE RECOVERY

Lab Name:	STL Newb	urgh	Contract:				
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194			
Matriy Snike	- FPA Sam	nle No. VBSPK23	Levi	el: (low/med) LOW			

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	REC.
1,1-Dichloroethene	50	48	96	69 - 119
Trichloroethene	50	55	110	64 - 136
Benzene	50	45	90	74 - 124
Toluene	50	45	90	76 - 124
Chlorobenzene	50	51	102	68 - 114

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:	

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# WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newburgh	1	Contract:			
Lab Code:	10142	Case No.:	SAS No	.:	SDG No.:	237194
Matrix Spike	- EPA Sample	No SW-3				

<u></u>	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.
1,1-Dichloroethene	50	0	50	100	73 - 133
Trichloroethene	50	0	51	102	74 - 127
Benzene	50	0	50	100	73 - 131
Toluene	50	0	50	100	81 - 123
Chlorobenzene	50	0	50	100	77 - 127

	SPIKE ADDED	MSD CONCENTRATION	MSD %	%	QC I	LIMITS
COMPOUND	(ug/L)	· (ug/L)	REC#	RPD#	RPD	REC.
1,1-Dichloroethene	50	48	96	4	14	73 - 133
Trichloroethene	50	53	106	4	14	74 - 127
Benzene	50	53	106	6	11	73 - 131
Toluene	50	51	102	· 2	13	81 - 123
Chlorobenzene	50	50	100	0	13	77 - 127

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:	



NJDEP 73015

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PA 68-378

EPA NY049

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M-NY049

## 3B SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newburgh		Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237194
Matrix Spike	- EPA Sample	No. SED-3	Lev	el: (low/med)	LOW

	SPIKE	SAMPLE	MS	MS	QC
	ADDED CONCENTRATION C		CONCENTRATION	%	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC#	REC.
1,1-Dichloroethene	110	0	95	86	69 - 119
Trichloroethene	110	0	110	100	64 - 136
Benzene	110	0	97	88	74 - 124
Toluene	110	0	100	91	76 - 124
Chlorobenzene	110	0	110	100	68 - 114

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC I	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	RPD#	RPD	REC.
1,1-Dichloroethene	110	85	77	11	22	69 - 119
Trichloroethene	110	100	91	9	24	64 - 136
Benzene	110	100	91	3	21	74 - 124
Toluene	110	100	91	0	21	76 - 124
Chlorobenzene	110	100	91	9	21	68 - 114

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

### 3C

## WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newburgh		(	Contract:			
Lab Code:	10142	Case No.:		SAS No.:	SDG No.:	237194	_
Matrix Spike	- EPA Sample	No SW-3		:		•	

	SPIKE	SAMPLE	MS	MS	QC	
	ADDED CONCENTRATION CON		CONCENTRATION	%	LIMITS	
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.	
1,4-Dichlorobenzene	53	0	17	32	25 - 89	
N-Nitroso-di-n-propylamine	53	0	27	51	44 - 102	
1,2,4-Trichlorobenzene	53	0	22	42 *	44 - 100	
4-Chloro-3-methylphenol	79	0	43	54	24 - 80	
Acenaphthene	53	0	28	53	35 - 107	
2,4-Dinitrotoluene	53	0	30	57	28 - 126	
4-Nitrophenol	79	. 0	27	34	29 - 129	
Pentachlorophenol	79	0	59	75	35 - 139	
Pyrene	53	0	40	75	38 - 126	
Phenol	79	0	17	22	20 - 96	
2-Chlorophenol	79	0	39	49	17 - 73	

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QC L	IMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	REC.
1,4-Dichlorobenzene	54	31	57	56 *	28	25 - 89
N-Nitroso-di-n-propylamine	54	29	54	6	38	44 - 102
1,2,4-Trichlorobenzene	54	36	67	46 *	28	44 - 100
4-Chioro-3-methylphenoi	81	47	58	7	42	24 - 80
Acenaphthene	54	36	67	23	31	35 - 107
2,4-Dinitrotoluene	54	35	65	13	38	28 - 126
4-Nitrophenol	81	35	43	23	50	29 - 129
Pentachlorophenol	81	66	81	8	50	35 - 139
Pyrene	54	43	80	6	31	38 - 126
Phenol	81	19	23	4	42	20 - 96
2-Chlorophenol	81	47	58	17	40	17 - 73

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 2 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

COMMENTS:	 	 



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# SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newb	urgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194	_
Matriy Snike	- FPA Sam	nle No. SED-3	l eve	it: (low/med) I OW	

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	(ug/Kg)	REC#	REC.
Phenol	5300	0	2600	49	26 - 90
2-Chlorophenol	5300	0	2700	51	25 - 102
1,4-Dichlorobenzene	3500	0	1200	34	28 - 104
N-Nitroso-di-n-propylamine	3500	0	1800	51	41 - 126
1,2,4-Trichlorobenzene	3500	0	1500	43	38 - 107
4-Chioro-3-methylphenol	5300	0	3100	58	26 - 103
Acenaphthene	3500	93	1900	51	31 - 137
2,4-Dinitrotoluene	3500	0	1800	51	28 - 89
4-Nitrophenol	5300	0	4700	89	11 - 114
Pentachlorophenol	5300	0	2800	53	17 - 109
Pyrene	3500	5100	6900	51	35 - 142

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	QCI	IMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	RPD#	RPD	REC.
Phenol	5300	2500	47	4	35	26 - 90
2-Chlorophenol	5300	2500	47	8	50	25 - 102
1,4-Dichlorobenzene	3600	1300	36	6	27	28 - 104
N-Nitroso-di-n-propylamine	3600	1700	47	8	38	41 - 126
1,2,4-Trichlorobenzene	3600	1500	42	2	23	38 - 107
4-Chloro-3-methylphenol	5300	2800	53	9	33	26 - 103
Acenaphthene	3600	2900	78	42 *	19	31 - 137
2,4-Dinitrotoluene	3600	2100	58	13	47	28 - 89
4-Nitrophenol	5300	6500	123 *	32	50	11 - 114
Pentachlorophenol	5300	2400	45	16 ·	47	17 - 109
Pyrene	3600	6800	47	8	36	35 - 142

# Column to be used to flag recovery and I	RPD values with an asterisk
--------------------------------------------	-----------------------------

\* Values outside of QC limits

RPD: 1 out of 11 outside limits

Spike Recovery: 1 out of 22 outside limits

COMM	IENTS:
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_		STL Nev	vburgh is a part of Severn T	rent Laboratories, In	IC.	
SEVERN STL			FORM III SV-2			
TRENT	NYSDOH 10142	NJDEP 73015	CTDOHS PH-0554	EPA NY049	PA 68-378	M-N

M-NY049

## 3BS WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name:	STL Newb	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194
Matrix Snike	- FPA San	ople No. SBSPK17		

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	REC.
Phenol	25	7	28	20 - 96
2-Chlorophenol	25	13	52	17 - 73
1,4-Dichlorobenzene	25	12	48	25 - 89
N-Nitroso-di-n-propylamine	25	15	60	44 - 102
1,2,4-Trichlorobenzene	25	· 12	48	44 - 100
4-Chloro-3-methylphenol	25	14	56	24 - 80
Acenaphthene	25	14	56	35 - 107
2,4-Dinitrotoluene	25	16	64	28 - 126
4-Nitrophenol	25	8	32	29 - 129
Pentachlorophenol	25	17	68	35 - 139
Pyrene	25	14	56	38 - 126

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:	



PA 68-378

# 3BS SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name:	STL Newburgh		Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237194
Matrix Spike	- EPA Sample N	lo. SBSPK22		Level: (low/med)	LOW

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/Kg)	(ug/Kg)	REC#	REC.
Phenol	830	420	51	26 - 90
2-Chlorophenol	830	430	52	25 - 102
1,4-Dichlorobenzene	830	390	47	28 - 104
N-Nitroso-di-n-propylamine	830	440	53	41 - 126
1,2,4-Trichlorobenzene	830	440	53	38 - 107
4-Chloro-3-methylphenol	830	500	60	26 - 103
Acenaphthene	830	530	64	31 - 137
2,4-Dinitrotoluene	830	520	63	28 - 89
4-Nitrophenol	830	380	46	11 - 114
Pentachlorophenol	830	380	46	17 - 109
Pyrene	830	630	76	35 - 142

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:	
•	

#### 3E WATER PESTICIDE BLANK SPIKE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

PBSPK11

'''	SPIKE	SAMPLE	BLANK SPIKE	BS		QC
	ADDED	CONCENTRATION	CONCENTRATION	%		LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC	#	REC.
gamma-BHC(Lindane)	0.20	0.0	0.260	130	*	64-114
Heptachlor	0.20	0.0	0.243	122	*	54-118
Aldrin	0.20	0.0	0.252	126	*	50-112
Dieldrin	0.20	0.0	0.267	134		50-152
Endrin	0.20	0.0	0.263	132		64-138
4,4'-DDT	0.20	0.0	0.234	117		69-129

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

FORM III PEST

3/90



### 3F SOIL PESTICIDE MATRIX BLANK SPIKE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

PBSPK18

	SPIKE	SAMPLE	MSB	MSB	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/kg)	(ug/kg)	(ug/kg)	REC #	REC.
gamma-BHC(Lindane)	6.7	0.0	3.3	49 *	64-114
Heptachlor	6.7	0.0	4.0	60	54-118
Aldrin	6.7	0.0	1.6	24*	50-112
Dieldrin	6.7	0.0	5.6	84	50-152
Endrin	6.7	. 0.0	5.4	81	64-138
4,4'-DDT	6.7	0.0	5.7	85	69-129



# 3E WATER PCB MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh

Contract:

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - STL Sample No.

PBSPK02

COMPOUND	SPIKE ADDED (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BLANK SPIKE % RECOVERY	QC LIMITS
Aroclor 1242	2.0	1.55	78	43-93

FORM III PEST

3/90

#### 3F SOIL PCB MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

PBSPK18

RECOVERY	i .
77	43-93

FORM III PEST

3/90

M-NY049

#### 3E WATER PESTICIDE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

SW-3

	SPIKE	SAMPLE	MS	MS		QC
	ADDED	CONCENTRATION	CONCENTRATION	%		LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC	#	REC.
gamma-BHC(Lindane)	0.56	0.0	0.83	148	*	64-114
Heptachlor	0.56	0.0	0.65	116		54-118
Aldrin	0.56	0.0	0.62	111		50-112
Dieldrin	1.1	0.0	1.72	154	*	50-152
Endrin	1.1	0.0	1.86	166	*	64-138
4,4'-DDT	1.1	0.0	1.69	151	*	69-129
			<u> </u>			

	SPIKE	MSD	MSD				
1	ADDED	CONCENTRATION	%	%	ĺ	QC L	MITS
COMPOUND	(ug/L)	(ug/L)	REC #	RPD	#	_RP	REC.
gamma-BHC(Lindane)	0.59	0.80	136 *	8		15	64-114
Heptachlor	0.59	0.63	107	8		20	54-118
Aldrin	0.59	0.62	105	6		22	50-112
Dieldrin	1.2	1,61	136	12		18	50-152
Endrin	1.2	1.68	142 *	16		21	64-138
4,4'-DDT	1.2	1,41	119	24		27	69-129
			-				

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

out of . 6

outside limits

12

Spike Recovery:

out of

outside limits

FORM III PEST

3/90

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3F SOIL PESTICIDE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

SED-3

	SPIKE	SAMPLE	MS	MS		QC
	ADDED	CONCENTRATION	CONCENTRATION	%		LIMITS
COMPOUND	(ug/kg)	(ug/kg)	(ug/kg)	REC	#	REC.
gamma-BHC(Lindane)	17.4	0.0	87.2	501	*	64-114
Heptachlor	17.4	0.0	49.9	287	*	54-118
Aldrin	17.4	0.0	6.1	35	*	50-112
Dieldrin	34.9	0.0	45.5	130		50-152
Endrin	34.9	0.0	27.0	77		64-138
4,4'-DDT	34.9	0.0	53.0	152	*	69-129

	SPIKE	MSD	MSD					
1	ADDED	CONCENTRATION	%		%		QC LIMI	TS
COMPOUND	(ug/kg)	(ug/kg)	REC	#	RPD	#	RPD	REC.
gamma-BHC(Lindane)	17.7	93.1	535	*	7		50	64-114
Heptachlor	17.7	0.0	0	*	200	*	31	54-118
Aldrin	17.7	5.9	34	*	3		43	50-112
Dieldrin	35.5	41.6	119		9		38	50-152
Endrin	35.5	30.6	88		13		45	64-138
4,4'-DDT	35.5	42.6	122		22		50	69-129

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 1

out of

6

outside limits

Spike Recovery: 7 out of

12

outside limits

FORM III PEST

3/90

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# 3E WATER PCB MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh

Contract

Lab Code: 10142 Case No.:

SAS No.:

SDG No.:

Matrix Spike - STL Sample No.

**SW-3** 

	SPIKE	SAMPLE	MS	MS
	ADDED	CONCENTRATION	CONCENTRATION	%
COMPOUND _	(ug/L)	(ug/L)	(ug/L)	REC
Aroclor 1242	2.4	0.0	1.96	83

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % RECOVERY	QC LIMITS
Aroclor 1242	2.2	1.89	85	43-93

FORM III PEST

3/90



EPA NY049

M-NY049

# 3F SOIL PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

SED-3

COMPOUND	SPIKE	SAMPLE	MS	MS
	ADDED	CONCENTRATION	CONCENTRATION	%
	(ug/kg)	(ug/kg)	(ug/kg)	REC
Aroclor 1242	142.3	1076.5	631.60	0 *

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % RECOVERY	QC LIMITS
Aroclor 1242	140.7	791.60	0	43-93

FORM III PEST

3/90



#### 6 DUPLICATES

EPA	SAMPLE	NIO
CPA	OWILL	MO.

SW-3D	
•	

% Solids for Duplicate: \_\_\_\_\_

Lab	Name:	STL Newburgh	Contract:	
Lab	Code:	10142 Case No.:	SAS No.:	SDG No.:
Matı	rix (sc	oil/water): <u>Water</u>	Level	(low/med): LOW

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte  Arsenic Barium Beryllium Cadmium Chromium obalt Copper Iron Lead Nickel Silver Vanadium Zinc	Limit  5.0	Sample (S)  2.7000 106.4945 0.4000 0.4000 2.7783 3.2000 6.1101 994.0657 11.3391 4.3126 1.9000 3.3000 12.7726		Duplicate (D)  2.7000 105.3055 0.4000 0.4000 2.8312 3.2000 5.6704 1023.0651 10.0834 4.2981 1.9000 3.3000 12.5694		1.1 1.9 7.5 2.9 11.7 0.3 ————————————————————————————————————	
Zinc		12.7/26		12.5694	n – –		
	- Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t						

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EPA NY049

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SEVERN STL

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

% Solids for Sample: \_\_\_\_\_

#### 6 DUPLICATES

EPA	SAMPLE	MO
ĽEA	DAULTIN	14()

SS-1D
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Lab Name: STL Newburgh Contract: \_\_\_\_

SDG No.: Lab Code: 10142 Case No.: SAS No.:

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Duplicate: 62.00 % Solids for Sample: 62.00

# Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

	T		
Analyte	Limit	Sample (S) C	Duplicate (D) C RPD Q M
Arsenic Barium Beryllium Cadmium Chromium Jobalt Copper Iron Lead Nickel Silver Vanadium Zinc	3 66 	6.0959 114.2707 0.4762 B 17.4490 106.1349 7.4162 B 116.2809 17894.2456 87.7485 31.8006 4.1281 16.5092 433.4646	Stap11cacc (b)   Stap   Q   R
			-
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#### 6 **DUPLICATES**

אמים	SAMPLE	7.7
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Lab Name: STL Newburgh	Contract:	SED-3D
Lab Code: 10142	SAS No.: SI	OG No.:
Matrix (soil/water): SOIL	Level (low	v/med): <u>LOW</u>
% Solids for Sample: 46.43	% Solids for Duplic	ate: <u>46.43</u>

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Limit	Sample (S)	C	Duplicate (	D) C	RPD	QM
Arsenic	4	4.1075	B	3.1	232 B	27.2	<u>P</u>
Barium	84	119.0075		94.1	566	23.3	_ P_
Beryllium		0.4206	B		635 B	14.6	<u></u> +   P D
Cadmium Chromium		5.7250	-	3.0		60.7	* P
obalt		97.8550 8.7870	B	81.0	716 B	18.8 7.2	-  <del> -</del>
Copper		119.7751	=	100.0		18.0	$\left -\left \frac{P}{D}\right \right $
Iron		18798.2768	-	16889.1		10.7	
Lead		170.6266	-	128.3		28.3	* P
Nickel	17	45.6858		37.3	366	20.1	P
Silver		2.9956	BBB	2.0		36.3	<u>P</u>
Vanadium		20.3658	<u>B</u>	18.1		11.7	<u>P</u>
Zinc		332.8430	_	255.26	554	26.4	* P
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 6 DUPLICATES

FDλ	SAMPLE	NTO
LPA	SAMPLE	NO

Lab Name: STL Newburgh	Contract: SED-3D
Lab Code: <u>10142</u> Case No.:	SAS No.: SDG No.:
Matrix (soil/water): <u>SOIL</u>	Level (low/med): LOW_
% Solids for Sample: 46.43	% Solids for Duplicate: 46.43

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

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Analyte	Limit	Sample (S)	С	Duplicate (D)	С	RPD	Q	M
Selenium		0.5714	미	0.7653	<u> </u>	200.0		F
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#### 6 DUPLICATES

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EPA	SAMPLE	NO

Lab Name: STL Newburgh	Contract:	SS-1D
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): <u>SOIL</u>	Level	(low/med): LOW
% Solids for Sample: 62.00	% Solids for Du	plicate: <u>62.00</u>

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

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Analyte	Limit	Sample	(S)	C		Duplicate	(D)	C	RPD	Q	М
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Selenium	·		1.1619	B	_	0.	7571	B	42.2		F
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STL NYSDOH 10142

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#### 6 DUPLICATES

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract:	SW-3D
Lab Code: 10142 Case No.:	SAS No.:	EDG No.:
Matrix (soil/water): Water	Level (lo	ow/med): LOW
% Solids for Sample:	% Solids for Dupl:	icate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S) C	Duplicate (D) C RPD Q M
Selenium		1.3000 U	1.4700 B 200.0 F
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#### 6 DUPLICATES

EDD	SAMPLE	NO

Lab Name: STL Newburgh	Contract:	SW-3D
Lab Code: 10142 Case No.:	SAS No.: SI	OG No.:
Matrix (soil/water): Water	Level (low	/med): <u>LOW</u>
% Solids for Sample:	% Solids for Duplic	cate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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Analyte	Limit	Sample (S)	С	Duplicate	(D) C	RPD	QM
Mercury		0.20	<u>00 U</u>	0.	<u>2000 U</u>		
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# DUPLICATES

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract:	SS-10D
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): SOIL	Level	(low/med): <u>LOW</u>
% Solids for Sample: <u>85.66</u>	% Solids for Du	plicate: 85.66

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

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Analyte	Limit	Sample	(S)	C		Duplicate	(D)	С	RPD	Q	М
Mercury			0.0556	Ιij		0.0	)584	U			<u>cv</u>
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#### 6 DUPLICATES

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EPA	SAMPLE	NO

Lab Name: STL Newburgh	Contract:	SED-3D
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): SOIL	Level	(low/med): LOW
% Solids for Sample: 46.43	% Solids for Du	plicate: <u>46.43</u>

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Limit	Sample (S)	C	Duplicate (D)	С	RPD	Q	М
Mercury		0.1026	Ū	0.1077	U		_	CV
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SEVERN STL NYSDOH 10142

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#### 6 DUPLICATES

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract:	SW-3D
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): Surf. W	Level (1	ow/med): <u>LOW</u>
% Solids for Sample:	% Solids for Dupl	icate:

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

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Analyte	Limit	Sample (S)	С	Duplicate (D)	C	RPD	Ω	М
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Cyanide		0.0100	쁘	0.0100	식으		-	P
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### 6 **DUPLICATES**

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG NO .:

Matrix (Soil/Water): SOIL

237194 Level (Low/Med): LOW

% Solids for Sample: 81.1

%Solids for Duplicate:

Client ID:

ZZZZZ (237118-15) Concentration Units ( ug/l or mg/kg dry weight ): mg/kg

	OUNCENI	ation onto	<u>uy</u>	i or ing/kg ary	WOI	<u> </u>	<u>nyg</u>	
ANALYTE	CONTROL LIMIT	SAMPLE (S)	С	DUPLICATE (D)	С	RPD	Q	М
Aluminum								Р
Antimony								Р
Arsenic							<u> </u>	Р
Barium							<u> </u>	Р
Beryllium								Р
Cadmium							<u> </u>	Р
Calcium								Р
Chromium								Р
Cobalt				-				Р
Copper								P
Iron								Р
Lead								Р
Magnesium								P
Manganese								P
Mercury								CV
Nickel								Р.
Potassium								<u> </u>
Selenium_								F
Silver								P
Sodium								
Thallium								
Vanadium							!	
Zinc					·			
Cyanide		1.2 ไ	J	1.2	U	0.0	- (	

### 6 **DUPLICATES**

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG NO.:

237194

Matrix (Soil/Water): SOIL

Level (Low/Med): LOW

% Solids for Sample: 46.4

%Solids for Duplicate:

SED-3 Client ID:

Concentration Units ( ug/l or mg/kg dry weight ): mg/kg

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ANALYTE	CONTROL LIMIT	SAMPLE (S)	С	DUPLICATE (D)	С	RPD	Q	М
Aluminum								Р
Antimony	,							Р
Arsenic								Р
Barium								P
Beryllium								Р
Cadmium								Р
Calcium								Ρ
Chromium								Ρ
Cobalt								Ρ
Copper		•						Ρ
Iron								Р
Lead								Р
Magnesium								P
Manganese								Р
Mercury								CV
Nickel								Р
Potassium								Р
Selenium								F
Silver								Р
Sodium							-	Ρ.
Thallium								Р
Vanadium							· ]	Р
Zinc								Р
Cyanide		2.0000	U	2.0000	U	0.0	ļŧ	C

PA 68-378

# **DUPLICATES**

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG NO.:

237194

Matrix (Soil/Water): SOIL

Level (Low/Med): LOW

% Solids for Sample:

%Solids for Duplicate:

ZZZZZ (237606-03) Client ID:

Concentration Units ( ug/l or mg/kg dry weight ): WET

	Concent	alion Omis	\ uy	i or mg/kg ary	MOIF	JIR / . VV L	<u> </u>	
ANALYTE	CONTROL LIMIT	SAMPLE (S)	С	DUPLICATE (D)	С	RPD	Q	М
Aluminum		:						Р
Antimony								Р
Arsenic								Р
Barium								Р
Beryllium								Р
Cadmium		<u></u> .						Р
Calcium								Р
Chromium				<u> </u>				Ρ
Cobalt								Ρ
Copper								Р
Iron								Р
Lead				. <u></u>				Р
Magnesium								Р
Manganese								P
Mercury								CV
Nickel								Ρ
Potassium								Р
Selenium							.	F
Silver								P
Sodium								P
Thallium								P
Vanadium								P
Zinc								Р
Cyanide		1.0000	IJ	1.0000	<u>u  </u>	0.0		<u> </u>



#### 5A SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO

Lab Name: STL Newburgh	Contract:	SW-3S
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): Water	Level	(low/med): LOW_
% Solids for Sample:		

Concentration Units (ug/L or mg/Kg dry weight): ug/L

,							1	1	T
Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	М
Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Iron Lead Nickel Silver Vanadium Zinc	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	44.1222 2103.2688 48.5074 50.7693 198.2569 502.6993 265.0613 2009.8636 29.5268 499.7397 35.1054 499.8198 531.5212		2.7000 106.4945 0.4000 0.4000 2.7783 3.2000 6.1101 994.0657 11.3391 4.3126 1.9000 3.3000 12.7726	_	40.00 2000.00 50.00 50.00 200.00 250.00 1000.00 20.00 500.00 500.00	110.3 99.8 97.0 101.5 97.7 100.5 103.6 101.6 90.9 99.1 70.2 100.0 103.7		
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Cc	omments:	
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STL NYSDOH 10142

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#### 5A SPIKE SAMPLE RECOVERY

TO TO 20	SAMPLE	370
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Lab Name: STL Newburgh	Contract:	SS-1S
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): SOIL	Level	(low/med): LOW
% Solids for Sample: 62.00		

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

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Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	М
Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Nickel Silver Vanadium Zinc	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	19.1046 729.7024 14.6137 34.3086 169.1691 157.9114 196.1724 99.8094 185.2514 15.1396 164.2169 604.1244		6.0959 114.2707 0.4762 17.4490 106.1349 7.4162 116.2809 87.7485 31.8006 4.1281 16.5092 433.4646		13.17 608.64 15.22 16.46 60.86 152.16 76.08 6.58 152.16 152.16 152.16	98.8 101.1 92.9 102.4 103.6 98.9 105.0 183.3 100.8 72.3 97.1 112.2		

Comments:		
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#### 5A SPIKE SAMPLE RECOVERY

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SED-3S

Lab Name: STL Newburgh

Contract: \_\_\_\_\_

SDG No.:

SAS No.: \_\_\_\_

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 46.43

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

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Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	М
Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Nickel Silver Vanadium Zinc	75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	21.4940 1006.6206 21.2482 23.2623 189.8864 226.7533 222.4512 156.2289 274.2676 18.6355 238.6470 633.7609		4.1075 119.0075 0.4206 5.7250 97.8550 8.7870 119.7751 170.6266 45.6858 2.9956 20.3658 332.8430		16.57 879.09 21.98 20.71 87.91 219.77 109.88 8.28 219.77 21.98 219.77	104.9 101.0 94.8 84.7 104.7 99.2 93.4 O.0 104.0 71.2 99.3 136.9	-   -	
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Comments:					
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#### 5A SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name:	SED-3	S				
Lab Code:	OG No.:					
Matrix (so	il/water)	): SOIL		Level (low	w/med):	LOW
% Solids f	or Sample	e: 46.43				
C:	oncentrat	cion Units (ug/L o	or mg/Kg dry wei	.ght): mg/Kg	_	
Analyte	Control Limit %R	Spiked Sample Result (SSR) C		Spike Added (SA)	%R	QM
Selenium	75-125	4.0663	0.5714	4.31	94.3	_ <u> </u>
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Comments:			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	

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#### 5A SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: STL Newburgh	Contract:	SS-1S
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): <u>SOIL</u>	Level (lo	ow/med): LOW
% Solids for Sample: 62.00		

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	С	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Selenium	75-125	3.6022	_	1.1619	$\overline{\underline{\mathtt{B}}}$	3.16	77.2	-	F
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EPA NY049

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#### 5A SPIKE SAMPLE RECOVERY

מכוים	SAMPLE	$\lambda \tau \cap$
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Lab Name:	STL Newb	urgh	Contract:		SW-3S		
		Case No.:	SAS No.:	SI	OG No.:		·
Matrix (so			******	Level (low	v/med):	LO	W
% Solids f	or Sampl	e:					
C	oncentra	tion Units (ug/L o	or mg/Kg dry weig	ght): ug/L	-		
Analyte	Control Limit %R	Spiked Sample	Sample Result (SR) C	Spike Added (SA)	%R	Q	М
Selenium	75-125	9.3800	1.3000	10.00	93.8	-  -	F
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#### 5A SPIKE SAMPLE RECOVERY

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DEA.	SAMPLE	NO

Lab Name:	STL Newb	urgh		Contract:			SW-3S		
		Case No.:		SAS No.:		· · · · · · · · · · · · · · · · · · ·	OG No.:		'
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Matrix (so	oll/water	): <u>water</u>				Level (lov	w/mea/:	LO	W
% Solids f	or Sample	e:							
C	oncentrat	tion Units (ug/	L	or mg/Kg dry w	ei	ght): ug/L	-		
Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)				Q	l
Mercury	75-125	0.9970	-	0.2000	Ü	1.00	99.7	-	<u>CV</u>
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VERN STL NYSDOH 10142

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#### 5A SPIKE SAMPLE RECOVERY

EDA	SAMPLE	NΤΟ
	OHMETIC	NO

Lab Name: STL Newburgh	Contract:	SS-10S
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): SOIL	Level	(low/med): LOW_
% Solids for Sample: 85.66		

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	М
Mercury	75-125	0.1392	_	0.0556	Ū	0.14	99.4	-  -	CV
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STL NewEGERM a Mart of SeveTnNrent Laboratories, Inc.

I Levi Diewourin 315 Fullenton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 5A SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name:	Lab Name: STL Newburgh Contract:									
		Case No.:		SAS No.:			 S:	DG No.:		I
Matrix (soil/water): SOIL Level (low/								LO	W	
% Solids for Sample: 46.43										
C	oncentrat	tion Units (ug/	L d	or mg/Kg dry w	ei	ght): <u>r</u>	ng/Kg	_		
Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	С	Sp:	ike (SA)	%R	Q	М
Mercury	75-125	0.2342		0.1026			0.24	97.6		<u>CV</u>

STL New Dank a Wart of Seven Frent Laboratories, Inc.

I L. Si C. Woulden 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 5A SPIKE SAMPLE RECOVERY

T-7 10 7	CAMPID	370
EPA	SAMPLE	NO.

Lab Name: STL Newburgh	Contract:	SW-3S
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): <u>Surf.</u> Wate	Level	(low/med): LOW
% Solids for Sample:		

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

								,,,,,,			
	Analyte	Control Limit %R	Spiked Sample Result (SSR) (	С	Sample Result (SR)	С	Spike Added (SA)	%R	Q	)	м
	Cyanide	75-125	0.0960	-1	0.0100	! TT	0.10	96.0	-1-	- -	${P}$
	cyaniac	73 123	-	-		=			- -	- -	<u>-</u>
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Co	mments:		• •	
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PA 68-378 M-NY049 STL Newburgh

#### 5A SPIKE SAMPLE RECOVERY

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG:No.:

237194

Matrix (Soil/Water):

soil

% Soilds for Sample: 81.1

Level (Low/Med): LOW

Client ID: ZZZZZ (237118-15)

Concentration Units ( ug/l or mg/kg dry weight ): MG/KG

	Control Limit	Spiked Sample	_	Sample		Spike	~,-		
Analyte	%R	Result (SSR)	<u>, c</u>	Result (SR)	<u>_c</u>	Added (SA)	%R	<u> C</u>	M
Aluminum	ļ								P
Antimony			<u> </u>						P
Arsenic			ļ						P
Barium			ļ				L		P
Beryllium									Р
Cadmium								<u> </u>	ļΡ
Calcium									Р
Chromium									Р
Cobalt									P
Copper								L.	Р
Iron									Р
Lead									Р
Magnesium		·						Т	Р
Manganese								Γ	Р
Mercury									CV
Nickel								Γ	Р
Potassium								Ī	Р
Selenium									F
Silver									Р
Sodium									Р
Thallium									Р
Vanadium			$\Box$						Р
Zinc									Р
Cyanide		7.64		1.2	U	12.33	62.0	N	С

Comments:		

FORM V (PART 1) - IN



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#### 5A SPIKE SAMPLE RECOVERY

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG:No.:

237194

Matrix (Soil/Water): soil % Soilds for Sample: 46.4

Level (Low/Med): LOW

Client ID:

SED-3

Concentration Units ( ug/l or mg/kg dry weight ): MG/KG

	Control Limit	Spiked Sample		Sample		Spike			
Analyte	%R	Result (SSR)	С	Result (SR)	С	Added (SA)	%R	c	М
Aluminum				· · · · · · · · · · · · · · · · · · ·				1	Р
Antimony									Р
Arsenic					1			1	Р
Barium									P
Beryllium					1				Р
Cadmium								1	Р
Calcium									Р
Chromium									Р
Cobalt									Р
Copper									Р
Iron				•					P
Lead									Р
Magnesium									œ.
Manganese									P
Mercury									C۷
Nickel									Р
Potassium						<u> </u>			Р
Selenium									F
Silver			į						Р
Sodium									Р
Thallium									Р
Vanadium									Р
Zinc									Р
Cyanide		17.8900	$\Box$	2.0000	U	19.96	89.6		<u>c</u>

Comments:		
	 	,

FORM V (PART 1) - IN



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#### 5A SPIKE SAMPLE RECOVERY

Lab Name: STL NEWBURGH

Contract:

Lab Code: 10142

SDG:No.:

237194

Matrix (Soil/Water): % Soilds for Sample: soll

Level (Low/Med): LOW

Client ID: ZZZZZ (237606-03)

Concentration Units ( ug/l or mg/kg dry weight ): WET

	Control								
	Limit	Spiked Sample		Sample		Spike			
Analyte	%R	Result (SSR)	C	Result (SR)	<u>_C</u>	Added (SA)	%R	C	M
Aluminum								<u> </u>	P
Antimony			<u> </u>			<u> </u>		<u> </u>	Р
Arsenic			<u> </u>		<u> </u>			<u> </u>	P
Barlum								<u> </u>	Р
Beryllium						_		ļ	Р
Cadmium,								<u> </u>	Р
Calcium								<u> </u>	P
Chromium									Р
Cobalt									Р
Copper									P
iron									Ρ
Lead									P
Magnesium									P
Manganese									₽
Mercury		····							CV
Nickel									Ρ
Potassium									P
Selenium									F
Silver									P
Sodium									P
Thallium									Р
Vanadium									Р
Zinc									Р
Cyanide		9.7000		1.0000	U	10.00	97.0		Ç

Comments:		

FORM V (PART 1) - IN



M-NY049

#### U. S. EPA - CLP

#### 5B POST SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO
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Lab Name: Severn Trent Laboratories	Contract:	SS-1
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): Soil	Level	(low/med): LOW

# Concentration Units:ug/L

Arsenic   Barium	Analyte	Control Limit %R	Spiked Sample Result (SSR)	С	Sample Result (SR)	C	Spike Added (SA)	%R	Q	М
	Barium Beryllium Cadmium Chromium Cobalt Copper Lead Nickel Silver Vanadium	50-150						94.9		

Co	omments:	
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#### U. S. EPA - CLP

#### 5B POST SPIKE SAMPLE RECOVERY

EDA	SAMPLE	NO
ĽFA	DUIL TIT	TAC

|--|

Lab	Name:	Severn	Trent	Laboratories

Contract:

SAS No.:

SDG No.:

Matrix (soil/water): Sedimen

Level (low/med): LOW\_

## Concentration Units:ug/L

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Analyte	Control Limit %R	Spiked Sample Result (SSR)	С	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Zinc	50-150	2057.20	-	726.32	ı —	1500.0	88.7	-	P
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Comments:				
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STL Newburgh

#### RESULTS QUALITY CONTROL

Job Number.: 237194

Report Date.: 06/29/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Test Method:: LAC 10210001A  Method Description: Phanolics, Total Recoverable Parameter: Phenolics, Total Recoverable			*******		Analyst: jpp Test Code.: PHENTR				
C Lab ID	Reagent	QC Result	Q QC Result	True Value	Orig. Value	Calc. Result *	Limits	F Date	Tim
CB .CS	W03PHELCS3	0 0.054		0.061		88.5	68-122	06/16/2004 06/16/2004 06/16/2004	042
18 1D 237194-3		0			0	0.0	15-15	06/16/2004	042
IS 237194-3 CV	W02PHESPK1 W02PHECCV1	0.032 0.050 0		0.030 0.050	0	106.7 100.0	71-143 88-112	06/16/2004 06/16/2004 06/16/2004	042
CCB CCV	WO2PHECCV1	0.052 0.050		0.050 0.050		104.0 100.0	88-112 88-112	06/16/2004 06/16/2004	042
CV CCB	MOSTUEICAL	0.030		0,030				06/16/2004 06/16/2004	042
CB CV	W02PHECCV1	0.051		0.050		102.0	88-112	06/16/2004 06/16/2004	
CB CV CB	W02PHECCV1	0.054		0.050		108.0	88-112	06/16/2004 06/16/2004	
CV	W02PHECCV1	0.051		0.050		102.0	88-112	06/16/2004 06/16/2004	
)	W02PHECCV1	0.050		0.050		100.0	88-112	06/16/2004 06/16/2004	
ರ CV	W02PHECCV1	0.052		0.050		104.0	88-112	06/16/2004	042



NJDEP 73015

# VOLATILE METHOD BLANK SUMMARY

<b>EPA</b>	SA	MPI	F	NO
	$\mathcal{O}_{\mathcal{F}}$	VIAII F		110

Lab Name:	STL Newburgh	1	Contract:	NBI	.K088A
Lab Code:	10142	Case No.:	SAS No.:	SDG No	.: 237194
Lab File ID:	X7915A.D		Lab Sample	ID: VBLK	088A
Date Analyze	ed: 6/21/2004		Time Analyze	ed: <u>15:17</u>	
GC Column:	DB-624	ID: 0.25 (mm	) Heated Purg	ge: (Y/N)	Y
Instrument IE	D: MS3				

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 SED-1	237194-012	X7920A.D	19:35
02 SED-2	237194-013	X7921A.D	20:19
03 SED-3	237194-014	X7922A.D	20:53
04 SS-4	237194-010	X7923A.D	21:26
05 SED-4	237194-015	X7924A.D	22:01
06 SED-5	237194-016	X7925A.D	22:36
07 SS-6	237194-020	X7926A.D	23:09

COMMENTS

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NJDEP 73015

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	SAN	APL.	Εľ	VO.
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VBLK088A

TL Ne	wburgh		Contract:		
0142	Ca	se No.:	SAS No.:	SDG No.: 237194	<u> </u>
er)	SOIL	_	Lab Sample II	D: VBLK088A	
	5.0	(g/ml) G	Lab File ID:	X7915A.D	
d)	LOW	<b></b>	Date Received	d:	
dec.	0		Date Analyzed	i: <u>6/21/2004</u>	
3-624	ID: <u>0.</u> 2	25 (mm)	Dilution Factor	r: <u>1.0</u>	
ıme: _		_ (uL)	Soil Aliquot Vo	olume:	(uL)
			Units: (ug/L or	ug/Kg) UG/KG	
	0142 er) ii) dec.	er) SOIL 5.0 dec. 0 3-624 ID: 0.3	0142	O142         Case No.:         SAS No.:           er)         SOIL         Lab Sample III           5.0         (g/ml) G         Lab File ID:           dec.         Date Received           dec.         Date Analyzed           3-624         ID:         0.25 (mm)         Dilution Factor           ume:         (uL)         Soil Aliquot Volume	O142         Case No.:         SAS No.:         SDG No.:         237194           er)         SOIL         Lab Sample ID:         VBLK088A           5.0         (g/ml)         G         Lab File ID:         X7915A.D           di)         LOW         Date Received:           dec.         0         Date Analyzed:         6/21/2004           3-624         ID:         0.25         (mm)         Dilution Factor:         1.0

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		٦	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		· U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U.	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		U	10

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#### 1E

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. VBI KOSSA

Lab Name:	STL Ne	wburgh	·	Contra	ct:		_ VDLK		
Lab Code:	10142		Case No.:	SAS	No.:	s	DG No.:	23719	4
Matrix: (soil/	water)	SOIL			Lab Sample	ə ID:	VBLK08	8A	
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>		Lab File ID:		X7915A	.D	-
Level: (low/r	ned)	LOW	MANAGEM AND AND AND AND AND AND AND AND AND AND		Date Recei	ved:			_
% Moisture:	not dec.	0			Date Analyz	zed:	6/21/200	)4	_
GC Column:	DB-624	ID:	0.25 (mm)	:	Dilution Fac	tor:	1.0		_
Soil Extract V	/olume:		(uL)		Soil Aliquot	Volu	me:		(uL)
				CONCENTR				•	
Number TICs	found:	0		(ug/L or ug/k	(g) <u>UG</u> /	/KG	-		
CAS NO.		COMP	OUND NAME		RT	ES	T. CONC	;,	Q

NJDEP 73015

3/90

#### **VOLATILE METHOD BLANK SUMMARY**

EPA S	SAMPL	.E NO.
-------	-------	--------

VBLK089

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.: SDG No.: 237194

Lab File ID:

X7931.D

Lab Sample ID: VBLK089

Date Analyzed: 6/22/2004

Time Analyzed: 21:11

GC Column:

DB-624

ID: 0.25 (mm)

Heated Purge: (Y/N)

Instrument ID: MS3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	SS-2	237194-008	X7933.D	22:27
	SS-5	237194-011	X7934.D	23:01

COMMENTS

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	QAI	MDI		NO
EPA	SAI	VIPL	.⊏	IVO.

Units: (ug/L or ug/Kg) UG/KG

Lab Name:	STL Ne	wburgh		Contract:	VBLK089	
Lab Code: 10142		Ca	se No.:	SAS No.:	SDG No.: 237194	
Matrix: (soil/w	/ater)	SOIL	_	Lab Sample ID	): VBLK089	
Sample wt/vo	l:	5.0	(g/ml) G	Lab File ID:	X7931.D	
Level: (low/m	ned)	LOW	_	Date Received	i:	
% Moisture: n	ot dec.	0		Date Analyzed	6/22/2004	
GC Column:	DB-624	ID: 0.	25 (mm)	Dilution Factor	: 1.0	
Soil Extract V	olume:		_ (uL)	Soll Aliquot Vo	lume:	(uL)

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		J	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		· U	10
108-05-4	Vinyi Acetate		U	10
71-55-6	1,1,1-Trichloroethane		Ü	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane	•	U.	. 10
78-87-5	1,2-Dichloropropane	, , , , , , , , , , , , , , , , , , , ,	U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichioroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		U	10

NYSDOH 10142

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NJDEP 73015

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M-NY049

#### 1E

### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	PLE	NO.

		IENIAI	EMINIMENTALIFIED COMPONING			VOLVA	00
Lab Name:	STL Ne	wburgh		Contrac	ot:	VBLK0	99
Lab Code:	10142	Ca	ise No.:	SAS	No.:	SDG No.: 2	237194
Matrix: (soil/	water)	SOIL	_		Lab Sample	ID: VBLK089	)
Sample wt/vo	ol:	5.0	(g/ml) <u>G</u>		Lab File ID:	X7931.D	
Level: (low/r	ned)	LOW	_		Date Recei	ved:	
% Moisture:	not dec.	0	·		Date Analyz	zed: 6/22/2004	<u> </u>
GC Column:	DB-624	ID: 0.	25 (mm)	İ	Dilution Fac	tor: 1.0	
Soil Extract Volume:			_ (uL)	;	Soil Aliquot	Volume:	(uL)
Number TICs	s found:	0	_	CONCENTR (ug/L or ug/k		ITS: /KG	
CAS NO.		COMPOL	JND NAME		RT	EST. CONC.	Q

#### **VOLATILE METHOD BLANK SUMMARY**

Lab Name:	STL Newburg	i	Contract:	VBLK428
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194
Lab File iD:	W3600.D		Lab Sam	ole ID: VBLK428
Date Analyze	ed: 6/22/2004		Time Ana	lyzed: 15:29
GC Column:	DB-624	ID: <u>0.53</u> (mr	m) Heated F	Purge: (Y/N) N
Instrument II	D: MSD2			

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	SW-1	237194-001	W3617.D	0:33
	SW-2	237194-002	W3618.D	1:04

COMMENTS

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#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

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EPA	SAN	/PI	F- N	$\mathbf{C}$
$-\iota$	-	'II 🗀	_ 11	·~.

VBLK428
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RL

Lab Name:	STL Ne	wburgh		Contract:	VBLK	428
Lab Code:	10142	Cas	se No.:	SAS No.:	SDG No.:	237194
Matrix: (soil/v	vater)	WATER	-	Lab Sample II	D: <u>VBLK42</u>	28
Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	W3600.	<u>D</u>
Level: (low/n	ned)	LOW	_	Date Received	d:	
% Moisture: r	not dec.			Date Analyzed	i: <u>6/22/20</u> 0	)4
GC Column:	DB-624	ID: <u>0.5</u>	3 (mm)	Dilution Factor	r: <u>1.0</u>	
Soil Extract V	/olume:		_ (uL)	Soil Aliquot Vo	lume:	(uL)
				Units: (ug/L or	ug/Kg) UC	∋/L
CAS NO.	(	COMPOUNI	<b>)</b>	RES	ULT	Q

CAS NO.	COMPOUND	NEGULI	Q	INL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane	ļ	U	10
67-66-3	Chloroform		Ü	10
107-06-2	1,2-Dichloroethane	· ·	U	10
78-93-3	2-Butanone		· U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00 <b>-</b> 5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		υ	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540 <b>-</b> 59-0	Total-1,2-Dichoroethene		U	10
_ <del></del>				

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M-NY049

#### 1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO

Lab Name:	STL Ne	whurah		Contra	act:		VBLK	420	
Lab Code:	10142		se No.:	· · · · ·	3 No.:	S	DG No.:	237194	1
Matrix: (soil/	water)	WATER			Lab Sample	e ID:	VBLK42	8	
Sample wt/ve	ol:	5.0	(g/ml) ML		Lab File ID	•	W3600.I	D	_
Level: (low/r	ned)	LOW	_		Date Recei	ived:			
% Moisture:	not dec.		·		Date Analy	zed:	6/22/200	)4	
GC Column:	DB-624	ID: <u>0.5</u>	3 (mm)		Dilution Fac	ctor:	1.0		
Soil Extract Volume:		<u></u>	_ (uL)		Soil Aliquot	Volu	me:		(uL)
					RATION UN Ka) UG				
Number TICs	s found:	0	_	(ug/L or ug/	Ng) OG	//L			
CAS NO.		COMPOU	ND NAME		RT	ES	T. CONC	;. T	Q

SEVERN STL

3/90

M-NY049

# **VOLATILE METHOD BLANK SUMMARY**

EPA	SAMPL	E NO
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Lab Name:	STL Newburgh		Contract:	VBLK090	
Lab Code:	10142	Case No.:	SAS No.: S	DG No.: 237194	
Lab File ID:	X7937.D		Lab Sample ID:	VBLK090	
Date Analyze	ed: 6/23/2004		Time Analyzed:	17:47	
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Heated Purge:	(Y/N) Y	
Instrument ID	o: MS3				

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 SS-3	237194-009	X7938.D	18:42
02 SED-6	237194-017	X7939.D	19:20
03 SS-1	237194-007	X7940.D	19:57
04 SS-5RE	237194-011RE	X7941.D	20:42
05 SS-7	237194-021	X7942.D	21:16
06 SS-8	237194-022	X7943.D	21:50
07 SS-9	237194-023	X7944.D	22:24
08 SED-3MS	237194-014MS	X7945.D	22:58
09 SED-3MSD	237194-014MSD	X7946.D	23:33
10 VBSPK23	VBSPK23	X7947.D	0:07

COMMENTS

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

FΡΔ	SAMF	ગ =	NO.
	O/TIVIS		1 V C .

VBLK090

Lab Name:	STL Newburgh			Contract:		
Lab Code:	10142	с	ase No.:	SAS No.:	SDG No.: 237194	<u> </u>
Matrix: (soil/w	vater)	SOIL	<del></del>	Lab Samp	le ID: VBLK090	
Sample wt/vo	ıl:	5.0	(g/ml) G	Lab File IC	): X7937.D	
Level: (low/m	red)	LOW		Date Rece	ived:	
% Moisture: n	ot dec.	0		Date Analy	/zed: 6/23/2004	
GC Column:	DB-624	ID: 0	.25 (mm)	Dilution Fa	ctor: 1.0	
Soil Extract V	olume:		(uL)	Soil Aliquo	t Volume:	(uL)
				Units: (ug/l	L or ug/Kg) UG/KG	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00 <b>-</b> 3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		C	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U.	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	1 <u>0</u>
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
540-59-0	Total-1,2-Dichoroethene		U	10
1330-20-7	Xylenes, total		U	10



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#### 1E

# **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
VRI K090	

Lab Name: STL N	ewburgh	Contrac	:t:		
Lab Code: 10142	Case No.:	SAS	No.:	SDG No.: 237	194
Matrix: (soil/water)	SOIL	1	Lab Sample	ID: VBLK090	
Sample wt/vol:	5.0 (g/ml) <u>G</u>		_ab File ID:	X7937.D	
Level: (low/med)	LOW	1	Date Receiv	/ed:	
% Moisture: not dec.	0	Γ	Date Analyz	red: 6/23/2004	
GC Column: DB-624	ID: <u>0.25</u> (mm)	[	Dilution Fac	tor: <u>1.0</u>	
Soil Extract Volume:	(uL)	5	Soil Aliquot	Volume:	(uL)
Number TICs found:	0	CONCENTR (ug/L or ug/K			
CAS NO.	COMPOUND NAME		RT	EST. CONC.	Q

## **VOLATILE METHOD BLANK SUMMARY**

<b>EPA</b>	SAN	ΜPI	F	NO.
-	$\sim$	Y : 1 -	_	110.

Lab Name:	STL Newburgh	1	c	Contract:		VBL	\42 <del>9</del>
Lab Code:	10142	Case No.:		SAS No.:	s	DG No.:	237194
Lab File ID:	W3619.D			Lab Sampl	e iD:	VBLK4	29
Date Analyze	ed: 6/23/2004	<u>-</u>		Time Analy	/zed:	14:17	
GC Column:	DB-624	ID: <u>0.53</u>	(mm)	Heated Pu	ırge:	(Y/N)	N
Instrument ID	o: MSD2						

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 SW-3	237194-003	W3620.D	15:35
02 SW-4	237194-004	W3621,D	16:08
03 SW-5	237194-005	W3622.D	16:38
04 L-1	237194-006	W3623.D	17:08
05 TRIP	237194-018	W3624.D	17:39
06 L-2	237194-019	W3625.D	18:09
07 VBSPK23	VBSPK23	W3626.D	18:57
08 SW-3MS	237194-003MS	W3628.D	19:58
09 SW-3MSD	237194-003MSD	W3629.D	20:29

COMMENTS

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#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO	<b>EPA</b>	SAMPL	E NO
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VBLK429	
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Lab Name: STL N	ewburgh	Contract:	VBLK429	
Lab Code: 10142	Case No.:	SAS No.: SI	DG No.: 2371	94
Matrix: (soil/water)		Lab Sample ID:		
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID:	W3619.D	
Level: (low/med)		Date Received:		<del></del>
·		Date Analyzed:	***	<del></del>
% Moisture: not dec.		•		<u> </u>
GC Column: DB-624	1 ID: <u>0.53</u> (mm)	Dilution Factor:	1.0	
Soil Extract Volume:	(uL)	Soil Aliquot Volur	ne:	(uL)
		Units: (ug/L or ug	ı/Ka) UG/L	
		Office (agric of ag	// (g/ <u>00/</u>	
CAS NO.	COMPOUND	RESUL	.T Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09 <b>-</b> 2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	<u>10</u> 10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		Ü	10
10061-02-6	trans-1,3-Dichloropropene		Ü	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform 4-Methyl-2-Pentanone		Ŭ	10
108-10-1			Ü	10
591-78-6	2-Hexanone Tetrachioroethene		<u> </u>	10
127-18-4	1,1,2,2-Tetrachloroethane		- U	10
79-34-5 108-88-3	Toluene		Ü	10
108-90-7	Chlorobenzene		Ü	10
100-41-4	Ethylbenzene		Ü	10
100-41-4	Styrene		Ü	10
541-73-1	1,3-Dichlorobenzene		Ŭ	10
106-46-7	1,4-Dichlorobenzene		Ū	10
95-50-1	1,2-Dichlorobenzene		Ū	10
540-59-0	Total-1,2-Dichoroethene		U	10
010000				

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1330-20-7

10

Xylenes, total

#### 1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	NO.
VRI	K429	

Lab Name: S	STL Newl	ourgh	Contract:				
Lab Code: 1	0142	Case No.:	SAS No.:	_ SD	G No.: 2	37194	
Matrix: (soil/wat	ter) <u>V</u>	VATER	Lab Sample	e ID: 🐧	VBLK429		·····
Sample wt/vol:	5	i.0 (g/ml) ML	Lab File ID:	<u> </u>	W3619.D		
Level: (low/me	d) <u>L</u>	.ow	Date Recei	ved: _			
% Moisture: not	t dec.		Date Analyz	zed: 6	3/23/2004		
GC Column: DI	B-624	ID: <u>0.53</u> (mm)	Dilution Fac	tor: _	1.0		
Soil Extract Vol	ume:	(uL)	Soil Aliquot	Volum	ne:		(uL)
Number TICs fo	ound:	0	CONCENTRATION UNI (ug/L or ug/Kg) UG/				
CAS NO.			RT	EST	CONC.		2

#### **VOLATILE METHOD BLANK SUMMARY**

EPA	SAMPL	E NO.
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VBLK091
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Lab Name:	STL Newburg	h		Contract:		VBLKU	91 
Lab Code:	10142	Case No.:		SAS No.:	SDO	G No.:	237194
Lab File ID:	X7949.D			Lab Sample I	D: <u>V</u>	'BLK091	<u> </u>
Date Analyze	ed: 6/24/2004			Time Analyze	ed: <u>1</u>	3:02	
GC Column:	DB-624	ID: <u>0.25</u>	(mm)	Heated Purg	e: (Y	/N)	<u>Y</u>

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SS-9RE	237194-023RE	X7951.D	14:31
02	SS-10	237194-024	X7952.D	15:05
	SS-10RE	237194-024RE	X7953.D	16:07

**COMMENTS** 

Instrument ID: MS3

EPA NY049

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EPA	SAMPL	E NO.
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RL

		VOLATILE	E URGANICS ANA	LYSIS DATA SHE	== (			1
Lab Name:	STL Ne	ewburgh		Contract:		VBL	(091	
Lab Code:	10142		Case No.:	SAS No.:	si	OG No.:	23719	94
Matrix: (soil/\	water)	SOIL		Lab Sar	mple ID:	VBLK09	91	
Sample wt/vo	ol:	5.0	(g/ml) G	Lab File	ID:	X7949.	D	_
Level: (low/r	ned)	LOW		Date Re	eceived:			_
% Moisture:	not dec.	0		Date An	alyzed:	6/24/20	04	
GC Column:	DB-624	ID:	0.25 (mm)	Dilution	Factor:	1.0		_
Soil Extract \	/olume:		(uL)	Soil Aliq	uot Volur	ne:		_ (uL)
				Units: (u	ıg/L or ug	/Kg) <u>U</u>	G/KG	
CAS NO.		COMPOU	ND		RESUL	T	Q	
74 07 2		Chlorom	ethane				Ш	

74-87-3	Chloromethane	U	10
74-83 <b>-</b> 9	Bromomethane	U	10
75-01-4	Vinyi Chloride	U	10
75-00-3	Chloroethane	U	10
75-09-2	Methylene Chloride	U	10
67-64-1	Acetone	U	10
75-15-0	Carbon Disulfide	U	10
75-35-4	1,1-Dichloroethene	U	10
75-34-4	1,1-Dichloroethane	U	10
67-66-3	Chloroform	U	10
107-06-2	1,2-Dichloroethane	U	10
78-93-3	2-Butanone	· U	10
108-05-4	Vinyl Acetate	U	10
71-55-6	1,1,1-Trichloroethane	U	10
56-23-5	Carbon Tetrachloride	U	10
75-27-4	Bromodichloromethane	U	10
78-87-5	1,2-Dichloropropane	U	10
10061-01-5	cis-1,3-Dichloropropene	U	10
79-01-6	Trichloroethene	U	10
71-43-2	Benzene	U	10
124-48-1	Dibromochloromethane	U	10
110-75-8	2-Chloroethylvinylether	U	10
10061-02-6	trans-1,3-Dichioropropene	U	10
79-00-5	1,1,2-Trichloroethane	U	10
75-25-2	Bromoform	U	10
108-10-1	4-Methyl-2-Pentanone	<u> </u>	10
591-78-6	2-Hexanone	U	10
127-18-4	Tetrachloroethene	U	10
79-34-5	1,1,2,2-Tetrachloroethane	U	10
108-88-3	Toluene	U	10
108-90-7	Chlorobenzene	U	10
100-41-4	Ethylbenzene	U	10
100-42-5	Styrene	U	10
541-73-1	1,3-Dichlorobenzene	U	10
106-46-7	1,4-Dichlorobenzene	U	10
95-50-1	1,2-Dichlorobenzene	U	10
1330-20-7	Xylenes, total	U	10
540-59-0	Total-1,2-Dichoroethene	U	10

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#### 1E

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
 VBLK091	

Lab Name:	STL Ne	wburgh	Contrac	t:	752,7007	
Lab Code:	10142	Case No.:	SAS I	No.:	SDG No.: 2371	94
Matrix: (soil/w	ater)	SOIL	1	_ab Sample	ID: VBLK091	
Sample wt/vo	l:	5.0 (g/ml) <u>G</u>		ab File ID:	X7949.D	_
Level: (low/m	ied)	LOW	r	Date Receiv	ved:	
% Moisture: n	ot dec.	0	[	Date Analyz	ed: 6/24/2004	_
GC Column:	DB-624	ID: <u>0.25</u> (mm)	С	Dilution Fac	tor: <u>1.0</u>	_
Soil Extract V	olume:	(u <b>L</b> )	S	Soil Aliquot '	Volume:	(uL)
			CONCENTRA			
Number TICs	found:	0	(ug/L or ug/K	g) <u>UG/</u>	NG	
CAS NO.		COMPOUND NAME		RT	EST. CONC.	Q

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PA 68-378

#### 4B

#### SEMIVOLATILE METHOD BLANK SUMMARY

EPA	SAMPLE	NO.

Lab Name:	STL Ne	wburgh		Contract:		SBLK1	7	_
Lab Code:	10142	Case I	No.:	SAS No.:	SD	G No.:	237194	-
Lab File ID:	S30	126.D		Lab Sam	ple ID: 3	SBLK17	7 	-
nstrument II	D:	5972-2		Date Extr	acted: 🧐	6/16/200	04	
Matrix: (soil/	water)	WATER		Date Ana	lyzed: [	3/17/200	04	
_evel: (low/r	ned)	LOW		Time Ana	ılyzed: _	13:36		

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA	LAB	LAB	DATE
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01 SBSPK17	SBSPK17	S30127.D	6/17/2004
02 SW-1	237194-001	S30184.D	6/23/2004
03 SW-2	237194-002	S30185.D	6/23/2004
04 SW-3	237194-003	S30186.D	6/23/2004
05 SW-4	237194-004	S30187.D	6/23/2004
06 SW-5	237194-005	S30188.D	6/23/2004
07 L-1	237194-006	S30189.D	6/23/2004
08 L-2	237194-019	S30190.D	6/23/2004
09 SW-3MS	237194-003MS	S30192.D	6/23/2004
10 SW-3MSD	237194-003MSD	S30193.D	6/23/2004
11 L-2RE	237194-019RE	S30194.D	6/23/2004

COMMENIS:			

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BLK17
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Lab Name:	STL Nev	vburgh			_ Contract:		. L	
Lab Code:	10142	Ca	ise No.:		_ SAS No.: _	sı	DG No.: 237	194
Matrix: (soil/v	vater)	WATER	erye		Lab Sa	imple ID:	SBLK17	
Sample wt/vo	ol:	1000.0	(g/ml)	ML	Lab Fil	e ID:	S30126.D	
Level: (low/n	ned)	LOW			Date R	eceived:		
% Moisture:		de	canted:(\	Y/N)	N Date E	xtracted:	6/16/2004	_
Concentrated	Extract \	/olume:	1000	(uL)	Date A	nalyzed:	6/17/2004	
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution	Factor:	1.0	
GPC Cleanur	o: (Y/N)	N	pH: _	<del>,</del>	Units: (	ug/L or ug	/Kg) <u>UG/L</u>	

111-44-4 108-95-2 95-57-8 541-73-1 106-46-7 95-50-1 100-51-6 108-60-1	bis(2-Chloroethyl)ether Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol	3 1 3 3 3	J J	10 10 10
108-95-2 95-57-8 541-73-1 106-46-7 95-50-1 100-51-6	Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	3 3 3	J	10
95-57-8 541-73-1 106-46-7 95-50-1 100-51-6	2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	3 3	J	<u> </u>
541-73-1 106-46-7 95-50-1 100-51-6	1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	3		1
106-46-7 95-50-1 100-51-6	1,4-Dichlorobenzene 1,2-Dichlorobenzene			10
95-50-1 100-51-6	1,2-Dichlorobenzene		J	10
100-51-6		3	J	10
		2	J	10
1530-033-1	2,2'-oxybis(1-Chloropropane)	3	J	10
95-48-7	2-Methylphenol	2	J	10
67-72-1	Hexachloroethane	2	J	10
621-64-7	N-Nitroso-di-n-propylamine	3	J	10
106-44-5	4-Methylphenol	2	J	10
98-95-3	Nitrobenzene	3	J	10
78-59-1	Isophorone	3	J	10
88-75-5	2-Nitrophenol	3	J	10
105-67-9	2,4-Dimethylphenol	2	J	10
111-91-1	bis(2-Chloroethoxy)methane	3	J	10
120-83-2	2,4-Dichlorophenol	3	J	10
120-82-1	1,2,4-Trichlorobenzene	2	J	10
91-20-3	Naphthalene	3	J	10
106-47-8	4-Chloroaniline	2	J	10
87-68 <b>-</b> 3	Hexachlorobutadiene	3	J	10
59-50-7	4-Chloro-3-methylphenol	3	J	10
91-57-6	2-Methylnaphthalene	3	J	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol	3	J	10
95-95-4	2,4,5-Trichlorophenol	3	J	50
91-58-7	2-Chloronaphthalene	3	J	10
88-74-4	2-Nitroaniline	3	J	25
208-96-8	Acenaphthylene	3	J	10
131-11-3	Dimethylphthalate	3	J	10
606-20-2	2.6-Dinitrotoluene	3	J	10
83-32-9	Acenaphthene	3	J	10
99-09-2	3-Nitroaniline	2	J	25
51-28-5	2,4-Dinitrophenol	1	J	25
132-64-9	Dibenzofuran	3	J	10
121-14-2	2,4-Dinitrotoluene	4	J	10
RN STL NYSDA	STL Newburgh is a part of Seve	หก Trent Laboratories, Inc.		STL N 315 Fullerto Newburgh, I M-NY049 Tef (845)

#### 1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	.E NO.

1	
SBLK17	
000	
1	

Lab Name:	STL Ne	wburgh		(	Contract:	
Lab Code:	10142	Ca	ise No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/v	water)	WATER	<u>.</u>		Lab Samp	le ID: SBLK17
Sample wt/vo	ol:	1000.0	(g/ml) ML		Lab File IC	D: <u>S30126.D</u>
Level: (low/n	ned)	LOW	_		Date Rece	ived:
% Moisture:		de	canted:(Y/N)	N	Date Extra	cted: 6/16/2004
Concentrated	t Extract	Volume:	1000 (uL)		Date Analy	zed: 6/17/2004
Injection Volu	ıme: <u>2</u>	.0 (uL)			Dilution Fa	ctor: 1.0
GPC Cleanu	p: (Y/N)	N	рН:		Units: (ug/l	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	25
86-73-7	Fluorene	3	J	10
7005-72-3	4-Chlorophenyl-phenylether	3	J	10
84-66-2	Diethylphthalate	4	J	10
100-01-6	4-Nitroaniline	2	J	25
534-52-1	4,6-Dinitro-2-methylphenol	2	J	25
86-30-6	n-Nitrosodiphenylamine (1)	3	J	10
101-55-3	4-Bromophenyl-phenylether	3	J	10
118-74-1	Hexachlorobenzene	3	J	10
87-86-5	Pentachlorophenol	2	J	25
85-01-8	Phenanthrene	4	J	10
120-12-7	Anthracene	3	J	10
84-74-2	Di-n-butylphthalate	7	J	10
206-44-0	Fluoranthene	4	J	10
129-00-0	Pyrene	4	J	10
85-68-7	Butylbenzylphthalate	4	J	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benzo(a)anthracene	4	J	10
218-01-9	Chrysene	4	J	10
117-81-7	bis(2-Ethylhexyl)phthalate	6	J	10
117-84-0	Di-n-octylphthalate	4	J	10
205-99-2	Benzo(b)fluoranthene	4	J	10
207-08-9	Benzo(k)fluoranthene	4	J	10
50-32-8	Benzo(a)pyrene	3	J	10
193-39-5	Indeno(1,2,3-cd)pyrene	3	J	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene	4	J	10

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#### 1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMI	-LE	NO

Lab Name:	STL Ne	wburgh		Contract:	
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 237194
Matrix: (soil/	vater)	WATER	<del></del>	Lab Sample ID	: SBLK17
Sample wt/vo	ol:	1000.0	(g/ml) ML	Lab File ID:	S30126.D
Level: (low/r	ned)	LOW		Date Received	•
% Moisture:		dec	anted: (Y/N)	N Date Extracted	: 6/16/2004
Concentrated	Extract	— Volume:	1000 (uL)	Date Analyzed:	6/17/2004
Injection Volu	ıme: <u>2.</u> (	(uL)		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH:		
				CONCENTRATION UN	IITS:
Number TICs	s found:	3		(ug/L or ug/Kg) UG	6/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000084-74-2	Dibutyl phthalate	16.75	7	JN
2.	Unknown CnH2n	18.54	5	J
3. 000103-23-1	Hexanedioic acid, bis(2-ethylhexy	20.73	4	JN

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#### 4B

#### SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO	١.
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Lab Name:	STL Ne	wburgh	Contract:	SBLK22
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237194
Lab File ID:	E721	D.081	Lab Sample II	D: SBLK22
Instrument II	<b>)</b> :	5972-1	Date Extracte	d: 6/23/2004
Matrix: (soil/	vater)	SOIL	Date Analyzed	d: <u>6/24/2004</u>
Level: (low/n	ned)	LOW	Time Analyze	d: 13:06

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	SBSPK22	SBSPK22	E72181.D	6/24/2004
02	SS-1	237194-007	E72185.D	6/24/2004
03	S\$-2	237194-008	E72186.D	6/24/2004
04	SS-3	237194-009	E72187.D	6/24/2004
05	SS-5	237194-011	E72188.D	6/24/2004
06	SED-6	237194-017	E72189.D	6/24/2004
07	SS-6	237194-020	E72190.D	6/24/2004
08	SS-7	237194-021	E72191.D	6/24/2004
09	SS-8	237194-022	E72192.D	6/24/2004
10	SS-10	237194-024	E72193.D	6/24/2004
11	SED-4	237194-015	E72194.D	6/24/2004
12	SED-5	237194-016	E72195.D	6/24/2004
13	SS-9	237194-023	E72199.D	6/25/2004
14	SED-1	237194-012	E72200.D	6/25/2004
15	SS-4	237194-010	E72201.D	6/25/2004
16	SED-2	237194-013	E72202.D	6/25/2004
17	SED-3	237194-014	E72203.D	6/25/2004
18	SED-3MS	237194-014MS	E72204.D	6/25/2004
19	SED-3MSD	237194-014MSD	E72205.D	6/25/2004
20	SED-6RE	237194-017RE	E72206.D	6/25/2004
21	SS-6RE	237194-020RE	E72207.D	6/25/2004
22	SS-7RE	237194-021RE	E72208.D	6/25/2004
23	SS-8RE	237194-022RE	E72209.D	6/25/2004
24	SS-10RE	237194-024RE	E72210.D	6/25/2004
25	SED-4RE	237194-015RE	E72211.D	6/25/2004
	SED-5RE	237194-016RE	E72212.D	6/25/2004
27	SS-9RE	237194-023RE	E72230.D	6/28/2004
28	SED-1RE	237194-012RE	E72231.D	6/29/2004
29	SS-4RE	237194-010RE	E72232.D	6/29/2004
30	SED-2DL	237194-013DL	E72233.D	6/29/2004

COMMENTS:	

NJDEP 73015

M-NY049

#### 1B

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

s	BLK22
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Lab Name:	STL Nev	wburgh		c	contract:	
Lab Code:	10142	c	ase No.:		SAS No.:	SDG No.: 237194
Matrix: (soil/w	vater)	SOIL			Lab Sample ID	SBLK22
Sample wt/vo	d:	30.0	(g/ml) G		Lab File ID:	E72180.D
Level: (low/m	ned)	LOW	<del></del>		Date Received	
% Moisture:	0	d	ecanted:(Y/N)	N	Date Extracted	6/23/2004
Concentrated	Extract '	Volume:	1000 (uL)		Date Analyzed:	6/24/2004
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH:	_	Units: (ug/L or t	ıg/Kg) <u>UG/KG</u>

CAS NO.	AS NO. COMPOUND		Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	330
108-95-2	Phenol	•	U	330
95-57-8	2-Chlorophenol		U	330
541-73-1	1,3-Dichlorobenzene		U	330
106-46-7	1,4-Dichlorobenzene		U	330
95-50-1	1,2-Dichlorobenzene		U	330
100-51-6	Benzyl alcohol		U	330
108-60-1	2,2'-oxybis(1-Chloropropane)		U	330
95-48-7	2-Methylphenol		U	330
67-72-1	Hexachloroethane		U	330
621-64-7	N-Nitroso-di-n-propylamine		U	330
106-44-5	4-Methylphenol		U	330
98-95-3	Nitrobenzene		U	330
78-59-1	Isophorone		U	330
88-75-5	2-Nitrophenol		U	330
105-67-9	2,4-Dimethylphenol		U	330
111-91-1	bis(2-Chloroethoxy)methane		U	330
120-83-2	2,4-Dichlorophenol		U	330
120-82-1	1,2,4-Trichlorobenzene		U	330
91-20-3	Naphthalene		U	330
106-47-8	4-Chloroaniline		U	330
87-68-3	Hexachlorobutadiene		U	330
59-50-7	4-Chloro-3-methylphenol		U	330
91-57-6	2-Methylnaphthalene		U	330
77-47-4	Hexachlorocyclopentadiene		U	330
88-06-2	2,4,6-Trichlorophenol		U	330
95-95-4	2,4,5-Trichlorophenol		U	830
91-58-7	2-Chloronaphthalene		U	330
88-74-4	2-Nitroaniline		U	830
208-96-8	Acenaphthylene		U	330
131-11-3	Dimethylphthalate		U	330
606-20-2	2,6-Dinitrotoluene		U	330
83-32-9	Acenaphthene		U	330
99-09-2	3-Nitroaniline		U	830
51-28-5	2,4-Dinitrophenol		U	830
132-64-9	Dibenzofuran		U	330
121-14-2	2,4-Dinitrotoluene		U	330

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#### 10

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK22
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Lab Name: STL N	ewburgh	Contract:	UDLIKZZ	
	Case No.:		G No.: 237	194
Matrix: (soil/water)	SOIL	Lab Sample ID: 3	SBLK22	
Sample wt/vol:	30.0 (g/ml) G	_ Lab File ID:	72180.D	
Level: (low/med)	LOW	Date Received:		
% Moisture: 0	decanted:(Y/N)	N Date Extracted: 6	3/23/2004	
Concentrated Extrac	t Volume: 1000 (uL)	Date Analyzed: 6	6/24/2004	
Injection Volume:	2.0 (uL)	Dilution Factor: 1	.0	<del></del>
-	N pH:	Units: (ug/L or ug/	Kg) UG/KG	
		( 0 0	· · · · · · · · · · · · · · · · · · ·	
CAS NO.	COMPOUND	RESULT	- Q	RL
100-02-7	4-Nitrophenol	**************************************	U	830
86-73-7	Fluorene		U	330
7005-72-3	4-Chlorophenyl-phenylether		U	330
84-66-2	Diethylphthalate		U	330
100-01-6	4-Nitroaniline		U	830
534-52-1	4,6-Dinitro-2-methylphenol		U	830
86-30-6	n-Nitrosodiphenylamine (1)		U	330
101-55-3	4-Bromophenyl-phenylether		U	330
118-74-1	Hexachlorobenzene		U	330
87-86-5	Pentachlorophenol		U	830
85-01-8	Phenanthrene		U	330
120-12-7	Anthracene		U	330
84-74-2	Di-n-butylphthalate		U	330
206-44-0	Fluoranthene		U	330
129-00-0	Pyrene		U	330
85-68-7	Butylbenzylphthalate		U	330
91-94-1	3,3'-Dichlorobenzidine	•	U	330
56-55-3	Benzo(a)anthracene		U	330
218-01-9	Chrysene		U	330
117-81-7	bis(2-Ethylhexyl)phthalate		U	330
117-84-0	Di-n-octylphthalate		U	330

NYSDOH 10142

Benzo(b)fluoranthene

Benzo(k)fluoranthene

indeno(1,2,3-cd)pyrene

n-Nitrosodimethylamine

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

Benzo(a)pyrene

205-99-2

207-08-9

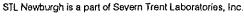
193-39-5

50-32-8

62-75-9

53-70-3

191-24-2



330

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3/00 M-NY049

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#### 1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPL	E	NO.

	071 N.	de-counts	Contro	ot:	SBLK22	`
Lab Name:	STL Ne	wourgn	Contra	Ct		
Lab Code:	10142	Case No.:	SAS	No.:	_ SDG No.: <u>23</u>	7194
Matrix: (soil/w	ater)	SOIL		Lab Sample	ID: SBLK22	
Sample wt/vol	:	30.0 (g/ml) G		Lab File ID:	E72180.D	
Level: (low/m	ed)	LOW		Date Receiv	ed:	
% Moisture:	0	decanted: (Y/N)	N	Date Extract	ted: 6/23/2004	
Concentrated	Extract	Volume: 1000 (uL)		Date Analyz	ed: 6/24/2004	
Injection Volum	ne: <u>2.0</u>	) (uL)		Dilution Fact	tor: <u>1.0</u>	
GPC Cleanup	: <b>(Y/N)</b>	<u>N</u> pH:				
			CONCE	NTRATION	UNITS:	
Number TICs	found:	1	(ug/L or	ug/Kg)	UG/KG	
CAS NUMBE	ER	COMPOUND NAME	,	RT	EST. CONC.	Q
1, 000123-		2-Pentanone, 4-hydroxy-4	-methyl	5.29	24000	JN

# 8001

### 4C PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name:

STL Newburgh

Contract:

PBLK11

ab Code: 10142

Case No.:

SAS No.:

SDG No.:

Lab Sample ID:

PBLK11

Lab File ID:

HP6447.d

Matrix: (soil/water)

WATER

Extraction: (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N)

Date Extracted:

6/16/04

Date Analyzed (1):

6/25/04

Date Analyzed (2):

6/25/04

Time Analyzed (1):

1:57

Time Analyzed (2):

1:57

Instrument ID (1):

5890-1

Instrument ID (2):

5890-1

GC Column (1):

Rtx-CLPest

ID: 0.32 (mm)

GC Column (2):

Rtx-CLPest2

ID: 0.32

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2
1	PBSPK11	PBSPK11	6/25/04	6/25/04
2	SW-1	237194-01	6/25/04	6/25/04
3	SW-2	237194-02	6/25/04	6/25/04
4	SW-3	237194-03	6/25/04	6/25/04
5	SW-3MS	237194-03MS	6/25/04	6/25/04
6	SW-3MSD	237194-03MSD	6/25/04	6/25/04
7	SW-4	237194-04	6/25/04	6/25/04
8	SW-5	237194-05	6/25/04	6/25/04
9	L-1	237194-06	6/25/04	6/25/04
10	L-2	237194-19	6/25/04	6/25/04
11				
12				
13				
14			t-i	
15				
16	·			
17				
18				
19		·		
20				
21				
22				
23				
24				
25				
26	STL Newbu	rgh is a part of Severn Trent Lac	oratories, Inc.	mz 315 Fullen

## PESTICIDE ANALYSIS DATA SHEET

Client ID: PBLK11 STL Lab No.: PBLK11

Client Name: InteGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: water

Sample Wt/Vol.: 1000 ml

Level: Low

Date Collected:

Date Received:

Date Extracted: 6/16/2004 Date Analyzed: 6/25/2004 Report Date: 6/30/2004

Column: Rtx-CLPest Lab File ID: HP6934.D

Dilution Factor: 1

		Detection	
		Limit	Conc
CAS No.	Compound	ug/l	ug/I
319+84+6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC(Lindane)	0.05	Ŭ
76-44-8	Heptachlor	0.05	Ŋ
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor Epoxide	0.05	U
959-98-8	Endosulfan I	0.1	U
60-57-1	Dieldrin	0,1	U
72-55-9	4,4'-DDE	0.1	U
72-20-8	Éndrin	0,1	U
33213-65-9	Endosulfan II	0.1	Ū
72-54-8	4,4'-DDD	0.1	Ŭ
1031-07-8	Endosulfan Sulfate	0.1	U
50-29-3	4,4'-DDT	0,1	Ū
72-43-5	Methoxychlor	0.5	U
7421-36-3	Endrin Áldehyde	0.1	U
57-74-9	Technical Chlordane	0.5	U
8001-35-2	Toxaphene	1,0	Ŋ

FORM I - PEST

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### 4C PESTICIDE METHOD BLANK SUMMARY

PBLK11

EPA SAMPLE NO.

Lab Name:

STL Newburgh

Contract:

ab Code: 10142

Case No.:

SAS No.:

SDG No.:

400-

Lab Sample ID:

PBLK11

Lab File ID:

2HP8143.d

Matrix: (soil/water)

WATER

Extraction: (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N)

Υ

Date Extracted:

6/16/04

Date Analyzed (1):

6/25/04

Date Analyzed (2):

6/25/04

Time Analyzed (1):

22:43

Time Analyzed (2):

22:43

Instrument ID (1):

5890-1

Instrument ID (2):

5890-1

GC Column (1):

Rtx-CLPest

ID: 0.32 (mm)

GC Column (2):

Rtx-CLPest2

ID: 0.32

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

EPA	LAB	DATE	DATE
SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2
1 PBSPK11	PBSPK11	6/25/04	6/25/04
2 SW-1	237194-01	6/25/04	6/25/04
3 SW-2	237194-02	6/25/04	6/25/04
4 SW-3	237194-03	6/26/04	6/26/04
5 SW-3MS	27194-03MS	6/26/04	6/26/04
6 SW-3MSD	237194-03MSD	6/26/04	6/26/04
7 SW-4	237194-04	6/26/04	6/26/04
8 SW-5	237194-05	6/26/04	6/26/04
9 L-1	237194-06	6/26/04	6/26/04
10 L-2	237194-19	6/26/04	6/26/04
11			
12			
13			
14			
15			
16			
17			
18			
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26	STL Newturgh is a part of Severn Trent Lab	oratories, Inc.	STI N

#### PCB ANALYSIS DATA SHEET

Client ID: PBLK11 STL Lab No.: PBLK11

Client Name: Integreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: water

Sample Wt/Vol.: 1000 ml

Level: Low

Date Collected: Date Received:

Date Extracted: 6/16/2004 Date Analyzed: 6/25/2004 Report Date: 6/30/2004

Column: DB-5/DB-1701P Lab File ID: 2HP8143.D

Dilution Factor: 1

		Detection	
·		Limit	Conc
CAS No.	Compound	ug/l	ug/l
12674-11-2	Aroclor-1016	0.5	Ū
11104-28-2	Aroclor-1221	0.5	U
11141+16-5	Aroclor-1232	0,5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	ប
11096-82-5	Aroclor+1260	1.0	Ū
000000000000000000000000000000000000000			

FORM I - PEST

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SIL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

EPA NY049

### 4C PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO. PBLK18

Lab Name:

STL Newburgh

Contract:

b Code: 10142

Case No.:

SAS No.:

SDG No.:

Lab Sample ID:

PBLK18

Lab File ID:

HP7077.d

Matrix: (soil/water)

SOIL

Υ

Extraction: (SepF/Cont/Sonc) Sonc

Sulfur Cleanup: (Y/N)

Date Extracted:

6/23/04

Date Analyzed (1):

6/29/04

Date Analyzed (2):

6/29/04

Time Analyzed (1):

Time Analyzed (2):

1:25

Instrument ID (2):

1:25

Instrument ID (1): GC Column (1):

5890-1

Rtx-CLPest

ID: 0.32 (mm)

GC Column (2):

Rtx-CLPest2

5890-1

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2
1	PBSPK18	PBSPK18	6/29/04	6/29/04
2	SS-1	237194-07	6/29/04	6/29/04
3	SS-2	237194-08	6/29/04	6/29/04
4	SS-3	237194-09	6/29/04	6/29/04
5	SS-4	237194-10	6/29/04	6/29/04
6	SS-5	237194-11	6/29/04	6/29/04
7	SED-1	237194-12	6/29/04	6/29/04
8	SED-2	237194-13	6/29/04	6/29/04
9	SED-3	237194-14	6/29/04	6/29/04
10	SED-4	237194-15	6/29/04	6/29/04
11	SED-5	237194-16	6/29/04	6/29/04
12	SED-6	237194-17	6/29/04	6/29/04
13	SS-6	237194-20	6/29/04	6/29/04
14	SS-7	237194-21	6/29/04	6/29/04
15	SS-8	237194-22	6/29/04	6/29/04
16	SS-9	237194-23	6/29/04	6/29/04
17	SS-10	237194-24	6/29/04	6/29/04
18	SED-3MS	237194-14MS	6/29/04	6/29/04
19	SED-3MSD	237194-14MSD	6/29/04	6/29/04
20	VCP-TP 14MSD	236110-07MSD	5/21/04	5/21/04
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28	OT! A	ewburch is a part of Severa Train	at Laboratoriae Inc	
L		Service Representation of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	ILL STRUMENT HIP	

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NJDEP 73016

#### PESTICIDE ANALYSIS DATA SHEET

Client ID: PBLK18 STL Lab No.: PBLK18

Client Name: InteGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: Soil

Sample Wt/Vol.: 30 g

Level: Low

Date Collected: Date Received:

Date Extracted: 6/23/2004 Date Analyzed: 6/29/2004

Report Date: 7/1/2004 Column: Rtx-CLPest Lab File ID: HP7077.D

Dilution Factor: 1

·		Detection	
		Limit	Conc
CAS No.	Compound	ug/kg	ug/kg
	,		
319-84-6	alpha-BHC	1.70	U
319-85-7	beta-BHC	1.70	U
319-86-8	delta-BHC	1,70	U
58-89-9	gamma-BHC(Lindane)	1.70	U
76-44-8	Heptachlor	1.70	U
309-00-2	Aldrin	1.70	U
1024-57-3	Heptachlor Epoxide	1,70	U
959-98-8	Endosulfan I	3.3	U
60-57-1	Dieldrin	3.3	Ü
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3,3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4.4'-DDD	3.3	U
1031-07-8	Endosulfan Sulfate	3,3	U
50-29-3	4,4'-DDT	3,3	U
72-43-5	Methoxychlor	17.0	Ŭ
7421-36-3	Endrin Aldehyde	3,3	Ü
57-74-9	Technical Chlordane	17.0	U
8001-35-2	Toxaphene	33.0	Ú

FORM I - PEST

#### 4C

#### PESTICIDE METHOD BLANK SUMMARY

るひひ EPA SAMPLE NO.

PBLK18

Lab Name:

STL Newburgh

Contract:

ab Code: 10142

Case No.:

SAS No.:

SDG No.:

Extraction: (SepF/Cont/Sonc) Sonc

Lab Sample ID:

PBLK18

Lab File ID:

2HP8208.d

Matrix: (soil/water)

SOIL

Sulfur Cleanup: (Y/N)

Υ

Date Extracted:

6/23/04

Date Analyzed (1):

6/27/04

Date Analyzed (2):

6/27/04

Time Analyzed (1):

2:20

Time Analyzed (2):

2:20

Instrument ID (1):

5890-2

Instrument ID (2):

5890-2

GC Column (1):

DB-5

ID: 0.32 (mm)

GC Column (2):

DB1701P

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2
1	PBSPK18	PBSPK18	6/27/04	6/27/04
2	SS-1	237194-07	6/27/04	6/27/04
3	SS-2	237194-08	6/27/04	6/27/04
4	SS-3	237194-09	6/27/04	6/27/04
5	SS-4	237194-10	6/27/04	6/27/04
6	SS-5	237194-11	6/27/04	6/27/04
7	SED-1	237194-12	6/27/04	6/27/04
8	SED-2	237194-13	6/27/04	6/27/04
9	SED-3	237194-14	6/27/04	6/27/04
10	SED-3MS	237194-14MS	6/27/04	6/27/04
11	SED-3MSD	237194-14MSD	6/27/04	6/27/04
12	SED-4	237194-15	6/27/04	6/27/04
13	SED-5	237194-16	6/27/04	6/27/04
14	SED-6	237194-17	6/27/04	6/27/04
15	SS-6	237194-20	6/27/04	6/27/04
16	SS-7	237194-21	6/27/04	6/27/04
17	SS-8	237194-22	6/27/04	6/27/04
18	SS-9	237194-23	6/27/04	6/27/04
19	SS-10	237194-24	6/27/04	6/27/04
20	SS-1DL	237194-07 X10	6/29/04	6/29/04
21	SED-1DL	237194-12 X10	6/29/04	6/29/04
22	SED-2DL	237194-13 X10	6/29/04	6/29/04
23	SED-3DL	237194-14 X10	6/29/04	6/29/04
24	SED-4DL	237194-15 X10	6/29/04	6/29/04
25	SED-5DL	237194-16 X10	6/29/04	6/29/04
26	SED-6DL	237194-17 X10	6/29/04 rent aboratories inc	6/29/04

#### PCB ANALYSIS DATA SHEET

Client ID: PBLK18 STL Lab No.: PBLK18

Client Name: InteGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: soil

Sample Wt/Vol.: 30 g

Level: Low

Date Collected: Date Received:

Date Extracted: 6/23/2004

Date Analyzed: 6/27/2004 Report Date: 7/1/2004

Column: DB-5/DB-1701P Lab File ID: 2HP8208.D

Dilution Factor: 1

10001.	uo tr						
		Detection					
		Limit	Conc				
CAS No.	Compound	_ ug/kg	ug/kg				
		•	<b>4</b>				
12674-11-2	Aroclor-1016	17.0	Ü				
11104-28-2	Aroclor-1221	17.0 17.0	U Ü				
11141-16-5	Aroclor-1232	17.0	U U				
53469-21-9	Aroclor-1242	17.0 17.0	n o				
12672-29-6	Aroclor-1248	33.0	U				
11097-69-1	Aroclor-1254	33.0	Ü				
11096-82-5	Aroclor-1260	33.0	U				
		-					
	***************************************						
			·				

FORM I - PEST

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#### 3 BLANKS

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: water_	

Init: Cal: Blan Analyte (ug,	ib. C nk /L) C 1	ontinuing Cal Blank (ug/ C 2	(L) C 3 C		M
Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c cccc} .7 & \overline{U} & 0.7 \\ .2 & \overline{U} & 3.2 \\ \hline .3 & \overline{U} & 3.3 \\ .9 & \overline{U} & 18.9 \\ .5 & \overline{U} & 2.5 \\ \end{array} $	B	1.9 U	

FORM III - IN

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ILM04.0

### 3 BLANKS

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

Lab Name:	STL New	burgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Bĺank	Matrix (soil/water)	: soil	

Analyte	Initial Calib. Blank (ug/L) C	1	tinuing Cali Blank (ug/I C 2	 Prepa- ration C Blank C	M
Aluminum Arsenic Parium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Nickel Silver Vanadium Zinc	18.2 U 1.9 U 2.1 B 0.3 U 219.3 B 0.6 U 219.3 B 0.6 U 2.5 U 1.6 U 16.8 U 1.1 B 1.1 U 6.0 B 1.7 U 2.2 U 2.3 U 2.3 U 0.4 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U 0.5 U	18.2 1.9 0.9 0.3 0.4 241.2 0.6 2.5 1.6 16.8 1.1 17.6 1.7 2.2 2.3 3.9	$ \begin{array}{c c} U & 0.4 \\ \hline B & 247.1 \\ \hline U & 0.6 \\ \hline U & 2.5 \\ \hline U & 1.6 \\ \hline U & 16.8 \\ \hline U & 1.1 \\ \hline B & 6.2 \\ \hline U & 1.7 \\ \hline U & 2.2 \\ \hline U & 2.3 \\ \end{array} $	U	

FORM III - IN

EPA NY049

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ILM04.0



### 3 BLANKS

Lab Name:	STL Newl	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	<u> </u>	
Preparation	n Blank	Concentration Units	(ug/L or mg/kg):	_

Analyte	Initial Calib. Blank (ug/L)	С	Cont	Ein Bi C	nuing Cal lank (ug/ 2	ib L) C	(	Prepa- ration Blank	С	М
Aluminum Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Nickel Silver Vanadium Zinc			18.2 1.9 1.0 0.3 0.4 236.9 0.6 2.5 1.6 16.8 1.1 17.8 1.7 2.2 2.3 3.9							

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### 3 BLANKS

Lab Name:	STL Newburgh	Contract:	
Lab Code:	10142 Case No.:	SAS No.:	SDG No.:
Preparati	on Blank Matrix (soil/water)	: soil	

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Initial Calib. Blank (ug/L) C	Con		nuing Cal lank (ug/ 2		3	C	Prepa- ration Blank C		М
Aluminum Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Nickel Silver Vanadium Zinc	18.2 U U U U U U U U U U U U U U U U U U U	18.2 2.8 0.9 0.3 0.4 177.1 0.6 2.5 1.6 16.8 1.3 15.4 1.7 2.2 2.3 3.9		18.2 2.3 1.2 0.3 0.4 142.7 0.6 2.5 1.6 16.8 1.1 6.0 1.7 2.2 2.3 3.9		18.2 2.3 1.0 0.3 0.5 161.0 0.6 2.5 1.6 16.8 1.1 18.4 1.7 2.2 2.3 3.9		0.4 U 0.2 B 0.1 U 0.1 U 0.1 U 0.5 U 0.6 B 5.0 B 0.2 U 0.4 U 0.4 U 0.5 U 0.5 B 0.2 U		
			_		_		_		_	_

FORM III - IN

ILM04.0

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#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	:	
Preparation	on Blank	Concentration Units	(ug/L or mg/kg):	

Analyte	Initial Calib. Blank (ug/L)	С	Con	B. C	nuing Cal lank (ug/ 2	다) 	3	С	Prepa- ration Blank	C	M
Aluminum Arsenic Parium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Nickel Silver Vanadium Zinc			18.2 169.3 16.8 6.0		18.2 	-  -  -	18.2 148.1 16.8 17.9 3.9	-  -  -  -  -  -  -  -  -  -  -  -  -			
								-			

FORM III - IN

ILM04.0

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#### 3 BLANKS

Lab Name:	STL Newburgh	Contract:	•
Lab Code:	10142 Case No.:	SAS No.:	SDG No.:
Preparatio	on Blank Matrix (soil/water	):	

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte .	Initial Calib. Blank (ug/L)	2	1		nuing Cal lank (ug/ 2			Prepa- ration Blank	С	М
Aluminum Arsenic Rarium Seryllium Cadmium Calcium Chromium	18.2   1.9   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.6   1.6   1.6   1.1   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7   1.7		18.2 2.5 0.8 0.3 0.4 171.2 0.6	aldidididididididinininini	18.2 1.9 0.9 0.3 0.4 189.2 0.6 2.5 1.6		187.0 B 0.6 U		  -  -  -  -  -	
Cobalt Copper Iron Lead Magnesium Nickel Silver	2.5 I 1.6 I 16.8 I 1.1 I 6.0 I 1.7 I 2.2 I 2.3 I	<u> </u>	2.5 1.6 16.8 1.1 15.3 1.7 2.2 2.3	<u>alaibiaiaiaia</u>	$ \begin{array}{r} 2.5 \\ \hline 1.6 \\ 16.8 \\ \hline 1.1 \\ 6.0 \\ \hline 1.7 \\ 2.2 \end{array} $	वावावावावावावावा	2.5 U 1.6 U 16.8 U 1.1 U -7.3 B 1.7 U 2.2 U 2.3 U			
Vanadium Zinc	2.3		2.3	<u> </u>	2.2 2.3 3.9	UIU	2.3 <u>U</u> 3.9 <u>U</u>			P P
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FORM III - IN

ILM04.0

STL Newburgh is a part of Severn Trent Laboratories, Inc.

PA 68-378

#### 3 BLANKS

Lab Name:	STL New	burgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: <u></u>	
Preparatio	n Blank	Concentration Units	(ug/L or mg/kg):	_

Initial Calib. Blank (ug/L)   Continuing Calibration   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   Preparation   P		·										
Aluminum	Analyte	Calib. Blank	С		В	lank (ug/I	다)		C	ration	С	M
	Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Nickel Silver Vanadium			2.4 1.0 0.3 0.4 171.3 0.6 2.5 1.6 16.8 1.1 -6.2 1.7 2.2 2.3		$ \begin{array}{r} 0.3 \\ 0.4 \\ 205.3 \\ 0.6 \\ 2.5 \\ 1.6 \\ 16.8 \\ 1.1 \\ 6.0 \\ 1.7 \\ \end{array} $	מומומומומומומומ	$ \begin{array}{r} 0.3 \\ 0.4 \\ 213.1 \\ 0.6 \\ 2.5 \\ 1.6 \\ 16.8 \\ 1.1 \\ 17.6 \\ 1.7 \\ 2.2 \\ 2.3 \\ \end{array} $				
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FORM III - IN

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#### 3 BLANKS

Lab	Name:	STL Newl	ourgh	Contract:	
Lab	Code:	10142	Case No.:	SAS No.:	SDG No.:
Prep	paratio	n Blank	Matrix (soil/water)	: water	•

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L) C	Continuing Calibration Prepa- Blank (ug/L) ration 1 C 2 C 3 C Blank C	M
Selenium	1.3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	F
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FORM III - IN

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SEVERN STL

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EPA NY049

#### 3 BLANKS

Lab	Name:	STL Newk	ourgh	Contract:	
Lab	Code:	10142	Case No.:	SAS No.:	SDG No.:
Prep	paratio	n Blank	Matrix (soil/water):	<u>soil</u>	

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Initial Calib. Blank (ug/L) (	C 1	onti B C	nuing Cal lank (ug/ 2	ib L) C		С	Prepa- ration Blank	С	M
Selenium	l 1-	1	3   <u>U</u>	1.3	ไซิ	1.3	Ū	0,3	ו ד	-
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FORM III - IN

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SEVERN STL NYSDOH 10142

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#### 3 BLANKS

Lab Name:	STL New	burgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	
Preparation	n Blank	Matrix (soil/water)	: soil		
Preparation	n Blank	Concentration Units	(ug/L or mg/kg): mg/Kg	_	

Analyte	Initial Calib. Blank (ug/L)	С	Con	ti B C	nuing Cal lank (ug/ 2	ib L)		С	Prepa- ration Blank C	М
Selenium		_	1.3	Ū	1.3	ַ עַ	1.3	<u> </u>	0.3 0	
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STL Newburgh is a part of Severn Trent Laboratories, Inc.

#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparatio	n Blank	Matrix (soil/water)	:	
Preparatio	n Blank	Concentration Units	(ug/L or mg/kg):	_

Analyte	Initial Calib. Blank (ug/L)	С		ti E C	nuing Cal lank (ug/	ib L)		C	Prepa- ration Blank		М	
Selenium		_	1.3	ĮŪ	1.3	lū		-1-		-1-	F	an
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FORM III - IN.

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STL

STL Newburgh is a part of Severn Trent Laboratories, Inc.

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

# BLANKS

Lab Name	: STL New	burgh	Contract:						
Lab Code	: 10142	Case No.:	SAS No.:	SDG No.:					
Preparat	ion Blank	Matrix (soil/water)	: <u>water</u>						

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L) C	Con 1	tir Bl C	nuing Cali lank (ug/l 2	ib L) C	ration 3	C	Prepa- ration Blank C	M
Mercury	0.2 U	0.2	<u> </u>	0.2	Ū	0.2	ĮΨ	0.2 U	CV
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## 3 . BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	·	
Preparation	on Blank	Concentration Units	(ug/L or mg/kg):	_

VI = 22 = 22 = 2			1	C	nuing Cal lank (ug/ 2	L) C	ration 3	c C	Prepa- ration Blank	С	M
Mercury		1	0.2	Įΰ		!_		1=			<u>cv</u>
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# BLANKS

Lab Name: STL Newburgh			Contract:	
Lab Code	: 10142	Case No.:	SAS No.:	SDG No.:
Preparat:	on Blank	Matrix (soil/water)	soil_	

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

			· · · · · · · · · · · · · · · · · · ·						
Analyte	Initial Calib. Blank (ug/L) C	Conti E 1 (	nuing Cal Blank (ug/ ! 2	ib: L) C	ration 3	C	Prepa- ration Blank	С	М
Mercury	0.4  <u>U</u>	0.4	0.4	Ū	0.4	Ū	0.050	Ū	CV
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FORM III - IN

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SEVERN STL NYSDOH 10142

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#### 3 BLANKS

Lab Name:	STL Newl	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: soil	

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Initial Calib. Blank (ug/L) C		ti: B: C	nuing Cal lank (ug/ 2	ib L) C	С	Prepa- ration Blank	С	M
Mercury	0.4 U	0.4	ĮŪ	0.4	U		0.050	Ū	CV
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FORM III - IN

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EPA NY049

#### 3 **BLANKS**

Lab	Name:	STL Newl	ourgh		Contract:		
Lab	Code:	10142	Case	No.:	SAS No.:	 SDG No.:	

Preparation Blank Matrix (soil/water): water

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Blank (ug/L)	С		ti B C	nuing Cal lank (ug/ 2	ib L) C		С	Prepa- ration Blank C		M
Cyanide _	10.0	Ū	10.0	Ū	10.0	Ū	10.0	Ū	10.0 U		P
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FORM III - IN

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#### 3 BLANK

Lab Name:

STL NEWBURGH

ab Code:

10142

Contract:

SDG No.:

237194

Sample Blank Matrix (Soil/Water): SOIL
Preparation Blank Concentration Units (ug/l or mg/kg):

MG/KG

	Initial Calib.								-		Ргера-		
	Blank				Contin	uing Calibra		3		_	ration	_	
Analyte	(ug/l)	С	1	С		2	C	3		С	Blank	<u> </u>	M
Aluminum													—
Antimony												_	┵
Arsenic													<b></b> _
Barium												<del> </del>	↓
Beryllium													<del> </del>
Cadmium												┷-	<u> </u>
Calcium												┷	<del>  </del>
Chromium												<u> </u>	↓
Cobalt					<u> </u>							┸	┷
Copper												┷	—
Iron					<u> </u>							<del> </del> _	↓
Lead										_		┷	↓
Magnesium													↓
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Nickel					1							<b>_</b>	ļ
Potassium	<u> </u>											<u> </u>	
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Thallium							•					<del> </del>	<u> </u>
Vanadium												_	<b> </b>
Zinc								<u> </u>				1	$\sqcup$
Cyanide	10.0	U	10.0	U	10.0	Ü		10.0	· U		1.0	U	С

#### 3 **BLANK**

STL NEWBURGH

Contract: SDG No.:

237194

Lab Name: STL NEWBURGH Lab Code: 10142 Sample Blank Matrix (Soil/Water): SOIL

Preparation Blank Concentration Units (ug/l or mg/kg):

MG/KG

	Initial Calib. Blank				Continu	uing Calibr	ation Blank	s			Prepa- ration		
Analyte	(ug/l)	С	1	C		2	<u> </u>	3_	С		Blank	C	M
Aluminum		1 _											
Antimony													
Arsenic													
Barium													Ь_
Beryllium													<b>↓</b>
Cadmium						•						↓	$oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{oldsymbol{ol}}}}}}}}}}}}}}}}}}$
Calcium													ــــــ
Chromium													<u> </u>
Cobalt										<u> </u>		1	
Copper												┷	Ь
Iron										<u> </u>		<u> </u>	Ь
Lead													<u> </u>
Magnesium												⊥	<u> </u>
Manganese										<del> </del>		<u> </u>	<u> </u>
Mercury		i										ــــــ	<u> </u>
Nickel										<u> </u>		↓	Ь—
Potassium					<u> </u>					<u> </u>			<u> </u>
Selenium					<u> </u>					<u> </u>			
3ilver										<u> </u>		ļ	
Sodium					<u> </u>								
Thallium								<u> </u>					لــــا
Vanadium													لـــــا
Zinc										<u> </u>			Ш
Cyanide	10.0	υ	10.0	U	10.0	<u>  L</u>	<u> </u>	10.0	U	1.0		U	С

#### 3 BLANK

Lab Name:

STL NEWBURGH

Contract:

ab Code:

10142

SDG No.:

237194

Sample Blank Matrix (Soil/Water): SOIL
Preparation Blank Concentration Units (ug/l or mg/kg):

MG/KG

	Initial Calib. Blank						ation Blanks			Pre <sub>l</sub>	on	
Analyte	(ug/l)	С	1	С		2	С	3	<u>C</u>	Bla	nk C	M
Aluminum												$\perp \rightarrow$
Antimony												+
Arsenic								<u> </u>		ļ		$\perp \perp \downarrow$
Barium								ļ				4
Beryllium		l_										+
Cadmium							-			-		+
Calcium			<u> </u>		<u> </u>			ļ				+-+
Chromium					<u> </u>							1
Cobalt								ļ				
Copper								<u> </u>		<u> </u>		
Iron								<u> </u>		<del>                                     </del>		4
Lead	<u> </u>				<u> </u>			<u> </u>				1
Magnesium					<u> </u>			ļ		<del> </del>		1
Manganese								<u> </u>				$\perp$
Mercury								<u>                                     </u>				1
Nickel			<u> </u>		<u> </u>							+
Potassium								<u> </u>		ļ <u> </u>		$\vdash$
Selenium					ļ					<u> </u>		
ilver					<u> </u>			<del> </del>				$\vdash$
odium_								<b></b>				
Thallium	<u> </u>				<u> </u>			ļ		<u> </u>		$\vdash$
Vanadium			<u> </u>					ļ		<u> </u>		$\vdash$
Zinc	<u> </u>				<u> </u>			<del>                                     </del>		<del> </del>		<del>                                      </del>
Cyanide	10.0	U	10.0	Įυ	10.0	<u> L</u>	J	10.0	U	1.0	ĮU	С



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## SAMPLE DATA SUMMARY PACKAGE

InteGreyted International, LLC Syracuse, NY

Project: Cooper 0310025P STL Lab. #: 237960

Matrix: Water 2 of 2

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-4A Date Sampled....: 06/30/2004 Time Sampled....: 15:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-1 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan i Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	ה ה	0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04	amg amg amg amg amg amg amg amg amg amg

\* In Description = Dry Wgt.

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#### LABORATORY TEST RESULTS

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-4A
Date Sampled....: 06/30/2004
Time Sampled....: 15:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-1 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECI
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1254	0.51 U 0.51 U 0.51 U 0.51 U 0.51 U 1.0 U	0.51 0.51 0.51 0.51 0.51 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/09/04 07/09/04 07/09/04 07/09/04 07/09/04 07/09/04 07/09/04	ang ang ang ang ang
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In Description = Dry Wgt.

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PA 68-378

#### RESULTS TEST LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-4B Date Sampled....: 06/30/2004 Time Sampled....: 17:45 Sample Matrix....: Water

Laboratory Sample ID: 237960-2 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane			ממממת מהלמתלת תוחתת תק איז	0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.52 1.0 0.52	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04 07/18/04	amg amg amg amg amg amg amg amg amg amg

\* In Description = Dry Wgt.

Page 3



M-NY049

#### RESULTS TEST LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-48 Date Sampled....: 06/30/2004
Time Sampled....: 17:45
Sample Matrix...: Water Laboratory Sample ID: 237960-2 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1254 Aroclor 1260	0.52 0.52 0.52 0.52 0.52 1.0	U U U U U U	0.52 0.52 0.52 0.52 0.52 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/09/04 07/09/04 07/09/04 07/09/04 07/09/04 07/09/04	amg amg amg amg amg amg
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In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-1N Date Sampled....: 07/01/2004 Time Sampled....: 08:50 Sample Matrix....: Water

Laboratory Sample ID: 237960-3 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.053 1.1	כככככככככככככ		0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg
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\* In Description = Dry Wgt.

Page 4
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Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

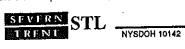
Customer Sample ID: MW-1N Date Sampled....: 07/01/2004
Time Sampled....: 08:50
Sample Matrix...: Water

Laboratory Sample ID: 237960-3 Date Received....: 07/02/2004 Time Received....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ug/L ug/L ug/L ug/L ug/L ug/L	07/12/04 07/12/04 07/12/04 07/12/04 07/12/04 07/12/04 07/12/04	ang ang ang ang ang
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Page 4 STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-9A
Date Sampled....: 07/01/2004
Time Sampled....: 08:45 Sample Matrix....: Water

Laboratory Sample ID: 237960-4 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	ļ	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
W846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	טטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט		0.051 0.051 0.051 0.051 0.051 0.10 0.10	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amccamccamccamccamccamccamccamccamccamc
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\* In Description = Dry Wgt.

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M-NY049

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: MW-9A
Date Sampled.....: 07/01/2004 Time Sampled....: 08:45 Sample Matrix....: Water

Laboratory Sample ID: 237960-4 Date Received.....: 07/02/2004

Time Received....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT UNITS ANALY	ZED TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.51 U 0.51 U 0.51 U 0.51 U 0.51 U 1.0 U	0.51 ug/L 07/12 0.51 ug/L 07/12 0.51 ug/L 07/12 0.51 ug/L 07/12 1.0 ug/L 07/12	/04 amg /04 amg /04 amg /04 amg /04 amg /04 amg
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In Description = Dry Wgt.

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STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-98 Date Sampled....: 07/01/2004 Time Sampled....: 10:30 Sample Matrix...: Water Leboratory Sample ID: 237960-5
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
TEST MELICOU SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053	מאאטאאאאאאאאאאאאאאאאאא	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg
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In Description = Dry Wgt.

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CTDOHS PH-0554



#### RESULTS TEST LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

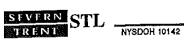
ATTN: Mark Schumacher

Customer Sample ID: MW-9B Date Sampled....: 07/01/2004
Time Sampled....: 10:30
Sample Matrix...: Water Laboratory Sample ID: 237960-5 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ממחחחחקה	0.53 0.53 0.53 0.53 0.53 1.1	ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg
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In Description = Dry Wgt.

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RESULTS TEST LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-5 Date Sampled....: 07/01/2004 Time Sampled....: 10:40 Sample Matrix...: Water

Laboratory Sample ID: 237960-6 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	0	LAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1			0:053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg
	rechnical Unitordane							
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\* In Description = Dry Wgt.

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#### TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

Customer Sample ID: MW-5 Date Sampled....: 07/01/2004 Time Sampled....: 10:40 Sample Matrix....: Water

Laboratory Sample ID: 237960-6 Date Received....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT UNITS ANALYZED TEC
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 ug/L 07/13/04 amg 0.53 ug/L 07/13/04 amg 0.53 ug/L 07/13/04 amg 0.53 ug/L 07/13/04 amg 0.53 ug/L 07/13/04 amg 1.1 ug/L 07/13/04 amg 1.1 ug/L 07/13/04 amg
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In Description = Dry Wgt.

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Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-10 Date Sampled....: 07/01/2004 Time Sampled....: 11:20 Sample Matrix....: Water

Laboratory Sample ID: 237960-7 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FL	LAGS REPORTING LIMIT	UNITS	ANALYZED TEC
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.553 U	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg
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\* In Description = Dry Wgt.

Page 8 STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (846) 562-0841

TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-10
Date Sampled....: 07/01/2004
Time Sampled....: 11:20
Sample Matrix...: Water

Laboratory Sample ID: 237960-7 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט ט	0.53 0.53 0.53 0.53 0.53 1.1	ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg

\* In Description = Dry Wgt.

Page 8 STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tet (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Merk Schumacher

Customer Sample ID: MW-6A Date Sampled....: 07/01/2004
Time Sampled....: 13:10
Sample Matrix....: Water

Laboratory Sample ID: 237960-8 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
sw846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.056 0.056 0.056 0.056 0.056 0.056 0.056 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	המתהחתתיחהחתתקתתמת	0.056 0.056 0.056 0.056 0.056 0.056 0.056 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg

\* In Description = Dry Wgt.

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EPA NY049



Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-6A
Date Sampled....: 07/01/2004
Time Sampled....: 13:10
Sample Matrix....: Water

Laboratory Sample ID: 237960-8
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAG	REPORTING LIMIT	UNITS ANALYZED TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.56 0.56 0.56 0.56 0.56 0.56 1.1 1.1	0.56 0.56 0.56 0.56 0.56 1.1	ug/L ug/L 07/13/04 amg 07/13/04 ug/L 07/13/04 amg amg 07/13/04 ug/L 07/13/04 ug/L 07/13/04 ug/L 07/13/04 amg amg 07/13/04 amg amg

\* In Description = Dry Wgt.

Page 9 STL Newburgh is a part of Severn Trent Laboratories, Inc.



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-6B Date Sampled....: 07/01/2004 Time Sampled....: 13:35 Sample Matrix....: Water

Laboratory Sample ID: 237960-9 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	היישולין היישולין היישולין היישולים היישולים היישולים היישולים היישולים היישולים היישולים היישולים היישולים ה בככככככככככככככככככככככככככככככככככככ	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg
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In Description = Dry Wgt.

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CTDOHS PH-0554



Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTM: Mark Schumacher

Customer Sample ID: MW-68 Date Sampled..... 07/01/2004 Time Sampled..... 13:35 Sample Matrix....: Water

Laboratory Sample ID: 237960-9
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED TEC
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	००४५५००	0.53 0.53 0.53 0.53 0.53 1.1	ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg

\* In Description = Dry Wgt.

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Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-1S Date Sampled....: 07/01/2004 Time Sampled.....: 16:15 Sample Matrix....: Water

Laboratory Sample ID: 237960-10
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METROD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1			0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg

\* In Description = Dry Wgt.

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EPA NY049



Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-1S Date Sampled....: 07/01/2004 Time Sampled....: 16:15 Sample Matrix....: Water

Laboratory Sample ID: 237960-10 Date Received.....: 07/02/2004

Time Received....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED TE
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	•	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am
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\* In Description = Dry Wgt.



## LABORATORY TEST RESULTS

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC.

PROJECT: COOPER 0310025P

ATTN: Merk Schumacher

Customer Sample ID: MW-13
Date Sampled....: 07/01/2004 Time Sampled....: 13:10 Sample Matrix...: Water

Laboratory Sample ID: 237960-11 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٩	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxephene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	מטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט		0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg
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\* In Description = Dry Wgt.

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CTDOHS PH-0554

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-13
Date Sampled.....: 07/01/2004 Time Sampled....: 13:10 Sample Matrix....: Water

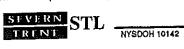
Laboratory Sample ID: 237960-11 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS ANALYZED	TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ug/L 07/13/04 ug/L 07/13/04 ug/L 07/13/04 ug/L 07/13/04 ug/L 07/13/04 ug/L 07/13/04	amg amg amg amg
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\* In Description = Dry Wgt.

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EPA NY049



Job Number: 237960

Date: 07/20/2004

CUSTOMER: Integreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-2S Date Sampled....: 07/01/2004 Time Sampled....: 15:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-12 Date Received.....: 07/02/2004 Time Received....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11		0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a	amg amg amg amg amg amg amg amg amg amg
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Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample Ib: W-2S Date Sampled....: 07/01/2004
Time Sampled....: 15:00
Sample Matrix....: Water Laboratory Sample ID: 237960-12 Date Received.....: 07/02/2004

Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS ANALYZED TE
sw846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ug/L 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am
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\* In Description = Dry Wgt.

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NYSDOH 10142 NJDEP 73015

EPA NY049

PA 68-378 M-NY049

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 552-0841

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-7 Date Sampled....: 06/30/2004
Time Sampled....: 11:40
Sample Matrix...: Water Laboratory Sample ID: 237960-13 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	טעטטטטטטטטטטטטטטטטטטטטטטטטטטטט		0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg

In Description = Dry Wgt.

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## TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, EUC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-7 Date Sampled....: 06/30/2004 Time Sampled....: 11:40 Sample Matrix....: Water

Laboratory Sample ID: 237960-13
Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
\$W846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.51 U 0.51 U 0.51 U 0.51 U 0.51 U 1.0 U		0.51 0.51 0.51 0.51 0.51 1.0	ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg
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TEST LABORATORY RESULTS

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-3N Date Sampled....: 06/30/2004 Time Sampled....: 13:10 Sample Matrix....: Water

Laboratory Sample ID: 237960-14
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.53 U		0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg

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PA 68-378

NJDEP 73015

TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-3N Date Sampled....: 06/30/2004 Time Sampled....: 13:10 Sample Matrix...: Water

Laboratory Sample ID: 237960-14 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS ANALYZED TEC
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 0.53 0.53 0.53 0.53 1.1	ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg
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STL Newburgh

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

Customer Sample ID: MW-8B
Date Sampled....: 06/30/2004
Time Sampled....: 15:10
Sample Matrix...: Water

Laboratory Sample ID: 237960-15 Date Received.....: 07/02/2004

Time Received....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.053 1.1	טממטטטטטטטטטטטטטטטט		0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg
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Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-8B Date Sampled..... 06/30/2004 Time Sampled....: 15:10 Sample Matrix....: Water

Laboratory Sample ID: 237960-15 Date Received.....: 07/02/2004 Time Received....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS ANAL	YZED TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ug/L 07/13 ug/L 07/13 ug/L 07/13 ug/L 07/13 ug/L 07/13 ug/L 07/13	3/04 amg 3/04 amg 3/04 amg 3/04 amg amg amg 3/04 amg amg
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TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: Integreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-8A
Date Sampled....: 06/30/2004
Time Sampled....: 16:20
Sample Matrix...: Water

Laboratory Sample ID: 237960-16
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	<b>ANAL</b> YZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11			0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.11	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg amg amg amg amg amg
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EPA NY049



Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT# COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-8A
Date Sampled....: 06/30/2004 Time Sampled....: 16:20 Sample Matrix...: Water

Laboratory Sample ID: 237960-16 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS ANALYZED TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.52 U 0.52 U 0.52 U 0.52 U 0.52 U 1.0 U	0.52 0.52 0.52 0.52 0.52 1.0 1.0	ug/L ug/L 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg ug/L 07/13/04 amg 07/13/04 amg
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

EPA NY049

M-NY049

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-2N Date Sampled....: 06/30/2004 Time Sampled....: 17:10 Sample Matrix....: Water

Laboratory Sample ID: 237960-17 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED T	ECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.054 0.054 0.054 0.054 0.054 0.11 0.11 0.11 0.11 0.11 0.11 0.11		0.054 0.054 0.054 0.054 0.054 0.054 0.11 0.11 0.11 0.11 0.11 0.11 0.11	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a 07/13/04 a	amg amg amg amg amg amg amg amg amg amg

In Description = Dry Wgt.

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NJDEP 73015

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-2N Date Sampled....: 06/30/2004 Time Sampled....: 17:10 Sample Matrix...: Water

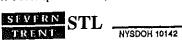
Laboratory Sample ID: 237960-17 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
sw846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.54 0.54 1.1	עעעטטט		0.54 0.54 0.54 0.54 0.54 1.1	ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amg amg amg amg amg
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\* In Description = Dry Wgt.

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CTDOHS PH-0554



STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: FB Date Sampled....: 06/30/2004 Time Sampled....: 16:30 Sample Matrix....: Water

Laboratory Sample ID: 237960-18 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.11	מטטטטטטטטטטטט		0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/ 34 07/ 34 07, 34	amg amg amg amg amg amg amg amg amg amg
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CTDOHS PH-0554



STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

M-NY049

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: FB Date Sampled....: 06/30/2004

Time Sampled....: 16:30 Sample Matrix....: Water Laboratory Sample ID: 237960-18

Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FL	AGS REPORTING LIMIT	UNITS ANALYZED TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 0.53 0.53 0.53 0.53 1.1	ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg amg ug/L 07/13/04 amg ug/L 07/13/04 amg amg
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\* In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-11A
Date Sampled....: 06/30/2004
Time Sampled....: 10:20
Sample Matrix...: Water

Laboratory Sample ID: 237960-19
Date Received.....: 07/02/2004

Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxephene Endrin aldehyde Technical Chlordane	0.10 0.10 0.10 0.10 0.050 1.0 0.10	כבכככבכככככככ		0.050 0.050 0.050 0.050 0.050 0.050 0.10 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/1 04 07/1 04	amg amg amg amg amg amg amg amg amg amg
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STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COGPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-11A Date Sampled....: 06/30/2004
Time Sampled....: 10:20
Sample Matrix...: Water Laboratory Sample ID: 237960-19 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED TEC
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.50 U 0.50 U 0.50 U 0.50 U 0.50 U 1.0 U	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	0.50 0.50 0.50 0.50 0.50 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg
			- Committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the comm			
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In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-11B Date Sampled....: 06/30/2004

Time Sampled....: 13:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-20 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED TEG
SW846 B081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.050 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.10 U 0.50 U 0.50 U 0.50 U 0.50 U 0.50	0.050 0.050 0.050 0.050 0.050 0.050 0.10 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg

\* In Description = Dry Wgt.

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841



## TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-11B Date Sampled....: 06/30/2004
Time Sampled....: 13:00
Sample Matrix....: Water Laboratory Sample ID: 237960-20 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT  Q FLAGS	REPORTING LIMIT UNITS	ANALYZED TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 ug/L 0.53 ug/L 0.53 ug/L 0.53 ug/L 0.53 ug/L 1.1 ug/L 1.1 ug/L	07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg
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\* In Description = Dry Wgt.

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EPA NY049

Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-3S
Date Sampled....: 07/01/2004
Time Sampled....: 13:00
Sample Matrix...: Water

Laboratory Sample ID: 237960-21 Date Received.....: 07/02/2004 Time Received.....: 15:00

				REPORTING LIMIT	UNITS	ANALYZED TE
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	FLAGS	KEPOKITNO LIMIT	ONITO	ANACIZED IE
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.053 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U 0.11 U		0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11 0.11 0.11 0.11 0.11 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 am 07/ 3/04 am 07/ 3/04 am 07/ 3/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/13/04 am 07/ 3/04 am 07/ 3/04 am 07/ 3/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am 07/ 4/04 am
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\* In Description = Dry Wgt.

Page 22 STL Newburgh is a part of Severn Trent Laboratories, Inc.



Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-3S Date Sampled....: 07/01/2004

Time Sampled....: 13:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-21
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q	LAGS	REPORTING LIMIT	UNITS	ANALYZED TEC
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U		0.53 0.53 0.53 0.53 0.53 1.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg 07/13/04 amg
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In Description = Dry Wgt.

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STL Newburgh 315 Fulierion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## LABORATORY TEST RESULTS

Job Number: 237960

Date: 07/20/2004

CUSTOMER; InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-12
Date Sampled....: 06/30/2004 Time Sampled....: 00:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-23 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FI	AGS	REPORTING LIMIT	UNITS	ANALYZED	TE.
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin	0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11	טטטטטטטטטטט		0.053 0.053 0.053 0.053 0.053 0.053 0.053 0.11 0.11 0.11	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04 07/13/04	amy amy amy amy amy amy amy amy amy
.)	Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.11 0.11 0.11 0.053 1.1 0.11 0.53	עטעעעעטט		0.11 0.11 0.11 0.053 1.1 0.11	ug/L ug/L ug/L ug/L ug/L ug/L	07/13/04 07 /04 0 04 0 04 0 04 0 04 0 04 0 04	am am am am am
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\* In Description = Dry Wgt.

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Job Number: 237960

Date: 07/20/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-12

Laboratory Sample ID: 237960-23
Date Received.....: 07/02/2004
Time Received.....: 15:00

Date Sampled....: 06/30/2004 Time Sampled....: 00:00 Sample Matrix....: Water

TEST METROD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT Q FLAGS	REPORTING LIMIT	UNITS ANALYZED TECH
SW846 8082	PCB Analysis Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	0.53 U 0.53 U 0.53 U 0.53 U 0.53 U 1.1 U	0.53 0.53 0.53 0.53 0.53 1.1 1.1	ug/L 07/13/04 amg ug/L 07/13/04 amg amg emg ug/L 07/13/04 amg emg ug/L 07/13/04 amg ug/L 07/13/04 amg ug/L 07/13/04 amg amg emg
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\* In Description = Dry Wgt.

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NJDEP 73015

# LABORATORY TEST RESULTS

Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-4A
Date Sampled.....: 06/30/2004
Time Sampled.....: 15:00
Sample Matrix....: Water

Laboratory Sample ID: 237960-1
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	u		0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	7.4 133 2.4 1.6 5.5 6.2 8.4 14200 7.3 6.0 18.5 2.2 4.2 13.9	вввевв в Свв	N Z	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-4B Date Sampled....: 06/30/2004 Time Sampled....: 17:45 Sample Matrix....: Water

Laboratory Sample ID: 237960-2 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAI	SS IDL	RL	DILUTION	UNITS	OΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	u	0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zînc (Zn)	3.0 1.1 4.9 9.4 14.9 4870 5.8	B U U	3.8 0.80 0.60 0.80 1.2 5.0 3.2 37.8 2.2 3.4 17.4 4.4 4.6 7.8	20.0 400 10.0 10.0 20.0 100 50.0 200 10.0 80.0 20.0 20.0 100 40.0	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
8	* In Description = Dry Wgt.		Page 3					<u></u>	V	

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-1N
Date Sampled.....: 07/01/2004
Time Sampled.....: 08:50
Sample Matrix....: Water

Laboratory Sample ID: 237960-3
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLA	S IDL	RL	DILUTION	UNITS	рτ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	1.9 148 0.79 0.40 5.1 4.5 2.8 21800 8.6 2.3 10.6 2.2 2.3 19.9	В	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	111111111111111111111111111111111111111	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
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<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-9A Date Sampled....: 07/01/2004 Time Sampled....: 08:45 Sample Matrix....: Water

Laboratory Sample ID: 237960-4 Date Received....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAC	S IDL	RL	DILUTION	UNITS I	от	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	บ	0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	5.6 1170 1.7 1.5 3.8 10.4 10.4 12700 2.3 5.4 17.4 7.2 4.6	B U	3.8 0.80 0.60 0.80 1.2 5.0 3.2 37.8 2.2 3.4 17.4 4.4 4.6 7.8	20.0 400 10.0 20.0 100 50.0 200 10.0 80.0 20.0 20.0 40.0	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
	* In Description = Dry Wgt.		Page 5							

<sup>\*</sup> In Description = Dry Wgt.

LABORATORY TEST RESULTS

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

Date:07/22/2004

PROJECT: COOPER 0310025P

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ATTN: Mark Schumacher

Customer Sample ID: MW-9B
Date Sampled.....: 07/01/2004
Time Sampled.....: 10:30
Sample Matrix....: Water

Laboratory Sample ID: 237960-5
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q I	FLAGS	IDL	RL	DILUTION	ENITS	DΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L	000000	07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	9.7 24.0 2.1 0.80 3.3 8.2 13.5 7070 2.2 3.4 17.4 10.3 4.6 32.8	888U888 UUUBUB	T N	3.8 0.80 0.60 0.80 1.2 5.0 3.2 37.8 2.2 3.4 17.4 4.4 4.6 7.8	20.0 400 10.0 10.0 20.0 100 50.0 20.0 20.0 20.0 40.0	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

\* In Description = Dry Wgt.

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-5
Date Sampled.....: 07/01/2004
Time Sampled.....: 10:40
Sample Matrix....: Water

Laboratory Sample ID: 237960-6
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	FLAGS	IDL	RL	DILUTION	UNITS	от	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L	222333	07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	46.8 0.30 0.40 2.1 2.7 1.7 716 1.1 1.7 8.7 2.2 2.3	80008880088	n Z nJ	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
001240											

<sup>\*</sup> In Description = Dry Wgt.

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-10
Date Sampled.....: 07/01/2004
Time Sampled.....: 11:20
Sample Matrix....: Water

Laboratory Sample ID: 237960-7
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	S IDL	RL	DILUTION	BNITS	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L	-	07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	9.4 5.2 9.1 12400 5.1 27.0 8.7 2.2	B B B B B U U B	1.1 1.7 8.7	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L			mad mad mad mad mad mad mad mad mad mad
001234										

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-6A
Date Sampled.....: 07/01/2004
Time Sampled.....: 13:10
Sample Matrix....: Water

Laboratory Sample ID: 237960-8
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	o i	FLAGS	IDL	RL	DILUTION	UNITS 1	OΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	1550 5.5 6.0 9.6	88U8 UB BBUB	N 2	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
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<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

Date:07/22/2004

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-6B
Date Sampled....: 07/01/2004
Time Sampled....: 13:35
Sample Matrix....: Water

Laboratory Sample ID: 237960-9
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L	07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	0.74 0.40 2.5 4.9 3.7 3030	в в в в в в в в в в в в в в в в в в в	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	111111111111111111111111111111111111111	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-1S
Date Sampled.....: 07/01/2004
Time Sampled.....: 16:15
Sample Matrix....: Water

Laboratory Sample ID: 237960-10
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DT	DATE	ТЕСН
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	0.40 2.8 3.8 3.4 3100 3.9 1.7 10.3 2.7	UBBUBBB BU BUB	N 2	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

Date:07/22/2004

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-13
Date Sampled.....: 07/01/2004
Time Sampled.....: 13:10
Sample Matrix....: Water

Laboratory Sample ID: 237960-11
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	a	FLAGS	IDL	RL	DILUTION	UNITS	OT	DATE	тесн
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	5.2 2.0 10.0 21.9	路路路 田田路路 田田路路田	NZ NZ	9.5 2.0 1.5 2.0 3.0 12.5 8.0 94.5 5.5 43.5 11.0 11.5 19.5	50.0 1000 25.0 25.0 50.0 250 125 500 25.0 200 50.0 50.0 250 100	5.000 5.000 5.000 5.000 5.000 5.000 5.000 5.000 5.000 5.000 5.000 5.000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Date:07/22/2004

Job Number: 237960

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-2S Date Sampled....: 07/01/2004 Time Sampled....: 15:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-12 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	OΤ	DATE	ТЕСН
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L	2000000	07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	3.8 2350 1.3 0.80 4.2 8.1 12.0 16600 2.2 3.4 17.4 7.9 4.6 37.4	0 8U886 UUUBU8	カマ	3.8 0.80 0.60 0.80 1.2 5.0 3.2 37.8 2.2 3.4 17.4 4.4 4.6 7.8	20.0 400 10.0 10.0 20.0 100 50.0 200 10.0 80.0 20.0 20.0 40.0	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
Ŝ	* In Description ≈ Dry Wgt.		Page	e 2			<del></del>		Ь	1	

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Date:07/22/2004

Customer Sample ID: MW-7
Date Sampled.....: 06/30/2004
Time Sampled.....: 11:40
Sample Matrix....: Water

Laboratory Sample ID: 237960-13
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	o F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	u		0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	1.3 0.80 5.4 10 15.2 6070	868U888 UUUBUB	C N	3.8 0.80 0.60 0.80 1.2 5.0 3.2 37.8 2.2 3.4 17.4 4.4 4.6 7.8	20.0 400 10.0 10.0 20.0 100 50.0 200 10.0 80.0 20.0 20.0 100 40.0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/16/04 07/16/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
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<sup>\*</sup> In Description = Dry Wgt.

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-3N
Date Sampled.....: 06/30/2004
Time Sampled.....: 13:10
Sample Matrix....: Water

Laboratory Sample ID: 237960-14
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDŁ	RL	DILUTION	UNITS D	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	ย		0.20	0.20	1	ug/L	07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Cd) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nîckel (Ni) Selenium (Se) Sîlver (Ag) Vanadium (V) Zînc (Zn)	25.0 1010 1.3 6.4 9.4 6.5 91.4 29800 351 7.0 22.3 3.1 9.7 2650	B BB B BB	पंत प्र	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

Date:07/22/2004

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-8B
Date Sampled....: 06/30/2004
Time Sampled....: 15:10
Sample Matrix....: Water

Laboratory Sample ID: 237960-15
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DT DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	υ	0.20	0.20	1	ug/L	07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	17.1 24.4 5.8 2.2 6.5 11.9 20.8 3890 7.8 6.6 20.8 9.3 5.5 39.3	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	2.2	20.0 400 10.0 10.0 20.0 100 50.0 200 10.0 80.0 20.0 20.0 40.0	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	07/16/04 07/16/04 07/16/04 07/16/04 07/16/04 07/16/04 07/16/04 07/16/04 07/16/04 07/16/04 07/16/04 07/16/04	mich mich mich mich mich mich mich mich

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-8A
Date Sampled.....: 06/30/2004
Time Sampled.....: 16:20
Sample Matrix....: Water

Laboratory Sample ID: 237960-16
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	O FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	173 0.30 0.40 2.3 3.3 1.8 2040 1.1 1.7 8.7	88 0 0 0 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.7 8.7	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

\* In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

Date:07/22/2004

ATTN: Mark Schumacher

PROJECT: COOPER 0310025P

Laboratory Sample ID: 237960-17
Date Received.....: 07/02/2004
Time Received.....: 15:00

Customer Sample ID: MW-2N
Date Sampled.....: 06/30/2004
Time Sampled.....: 17:10
Sample Matrix....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS (	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	254 0.31 0.40 1.8 7.4 1.6 53900 9.7 29.4 14.3	U BUBBU B BUB	1.1 1.7 8.7	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 10.0 20.0	111111111111111111111111111111111111111	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

\* In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Date:07/22/2004

Job Number: 237960

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: FB

Date Sampled....: 06/30/2004 Time Sampled..... 16:30 Sample Matrix....: Water

Laboratory Sample ID: 237960-18
Date Received.....: 07/02/2004 Time Received..... 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U	0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	0.30 0.40 1.1 2.5 1.6 119 1.1 1.7 8.7 2.2 2.3	מע אא	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad
8.0	* In Description = Dry Wgt.		Page 19							

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Date:07/22/2004

Customer Sample ID: MW-11A Date Sampled....: 06/30/2004 Time Sampled....: 10:20 Sample Matrix....: Water

Laboratory Sample ID: 237960-19 Date Received.....: 07/02/2004 Time Received.....: 15:00

EPA 245.1 Mercury (Hg)    Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Document   Documen	TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	o i	FLAGS	IDL	RL	DILUTION	UNITS (	от	DATE	TECH
Arsenic (As) Barium (Ba) Barium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V)  Arsenic (As) B  2.3 B 1.9 10.0 1 ug/L 0.40 0.40 0.40 0.30 0.30 0.30 0.30 0.30	EPA 245.1	Mercury (Hg)	0.20	u		0,20	0.20	1	ug/L		07/06/04	lms
* In Description = Dry Wgt. Page 20		Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	127 0.30 0.40 4.6 4.4 2.5 10000 2.9 2.3 8.7 2.2	UU B B B B B U U U U B	2 N	0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2	200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 10.0 50.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/16/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

CUSTOMER: InteGreyted International, LLC

Job Number: 237960

Date:07/22/2004

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-11B
Date Sampled....: 06/30/2004
Time Sampled....: 13:00
Sample Matrix...: Water

Laboratory Sample ID: 237960-20 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q F	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	24.7 1.0 0.80 4.2 8.0 9.1 5260 2.2 3.4		दह दह पुष बंब	3.8 0.80 0.60 0.80 1.2 5.0 3.2 37.8 2.2 3.4 17.4 4.4 4.6 7.8	20.0 400 10.0 10.0 20.0 100 50.0 200 10.0 80.0 20.0 20.0 40.0	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-3S
Date Sampled.....: 07/01/2004
Time Sampled.....: 13:00

Sample Matrix....: Water

Laboratory Sample ID: 237960-21
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD PARAMETER/TEST DESCRIPTION SAMPLE RESULT Q FLAGS IDL RL DILUTION DΤ UNITS DATE TECH EPA 245.1 Mercury (Hg) 0.20 0.20 0.20 ug/L 07/06/04 lms EPA 200.7 Metals Analysis (ICP) Arsenic (As) 17.6 9.5 50.0 5.000 ug/L 07/15/04 mad Barium (Ba) 65.4 2.0 1000 5.000 ug/L 07/15/04 mad Beryllium (Be) 4.6 В 1.5 25.0 5.000 ug/L 07/15/04 mad Cadmium (Cd) 2.0 2.0 25.0 5.000 ug/L 07/15/04 mad Chromium (Cr) 8.9 В 3.0 50.0 5.000 ug/L 07/15/04 mad Cobalt (Co) 20.0 8 12.5 250 5.000 ug/L 07/15/04 mad Copper (Cu) 53.6 В 8.0 125 5.000 ug/L 07/15/04 mad Iron (Fe) 17800 94.5 500 5.000 ug/L 07/16/04 mad Lead (Pb) N-3 5.5 5.5 25.0 5.000 ug/L 07/15/04 mad Nickel (Ni) 8.5 8.5 200 5.000 ug/L 07/15/04 NZ mad Selenium (Se) υ B 43.5 43.5 50.0 5.000 ug/L 07/15/04 mad N 3 Silver (Ag) 22.4 11.0 50.0 15.000 ug/L 07/15/04 mad Vanadium (V) 11.5 11.5 250 5.000 ug/L 07/15/04 mad Zinc (Zn) 132 19.5 100 5.000 ug/L 07/15/04 mad

\* In Description = Dry Wgt.

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Job Number: 237960

Date:07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-12
Date Sampled....: 06/30/2004
Time Sampled....: 00:00
Sample Matrix....: Water

Laboratory Sample ID: 237960-23
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST: DESCRIPTION	SAMPLE RESULT	a r	LAGS	IDL	RL	DILUTION	UNITS	DΤ	DATE	TECH
EPA 245.1	Mercury (Hg)	0.20	U		0.20	0.20	1	ug/L		07/06/04	lms
EPA 200.7	Metals Analysis (ICP) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Nickel (Ni) Selenium (Se) Silver (Ag) Vanadium (V) Zinc (Zn)	5.8 6.2 52400 9.2 28.5 14.3 2.2	U UUBBB B UUB	מא איל	1.9 0.40 0.30 0.40 0.60 2.5 1.6 18.9 1.1 1.7 8.7 2.2 2.3 3.9	10.0 200 5.0 5.0 10.0 50.0 25.0 100 5.0 40.0 10.0 50.0 20.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L		07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/15/04 07/16/04 07/15/04 07/15/04 07/15/04 07/15/04	mad mad mad mad mad mad mad mad mad mad

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, ELC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-4A Date Sampled....: 06/30/2004 Time Sampled....: 15:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-1 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 450ÖCNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/06/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0150			0.0100	mg/L	07/14/04	jpp
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Page 2



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RESULTS LABORATORY TEST

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

Laboratory Sample ID: 237960-2 Date Received.....: 07/02/2004 Time Received.....: 15:00

Customer Sample IV:	MM-40
Date Sampled:	06/30/2004
Time Sampled:	17:45
Sample Matrix:	

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	10000000000
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/06/04	Į.
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	07/14/04	jpp
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-1N Date Sampled....: 07/01/2004 Time Sampled....: 08:50 Sample Matrix....: Water

Laboratory Sample ID: 237960-3 Date Received.....: 07/02/2004

Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
SM18 4500CHE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/06/04	1
LAC 10210001A	Phenolics, Total Recoverable	1.36			0.200	mg/L	07/14/04	jpp
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315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 PA 68-378 M-NY049

STL Newburgh

TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Laboratory Sample ID: 237960-4
Date Received.....: 07/02/2004
Time Received.....: 15:00

Customer Sample ID:	MW-9A
Date Sampled:	07/01/2004
Time Sampled:	08:45
Sample Matrix:	

TEST METHOD	PARAMETER/TEST DESCRIPTION		400010000000000000000000000000000000000	REPORTING LIMIT	***************************************	ANALYZED	a sacranja j
SM18 4500CNE	Cyanide, Total	0.0100	ប	0.0100	mg/L	07/07/04	
LAC 10210001A	Phenolics, Total Recoverable	0.0160		0.0100	mg/L	07/14/04	jpp
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-9B Date Sampled....: 07/01/2004 Time Sampled....: 10:30 Sample Matrix....: Water

Laboratory Sample ID: 237960-5 Date Received.....: 07/02/2004

Time Received....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	*********
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/07/04	ł
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	07/14/04	qqį
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-5

Date Sampled....: 07/01/2004
Time Sampled....: 10:40
Sample Matrix....: Water

Laboratory Sample ID: 237960-6
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	<u> </u>	REPORTING LIMIT		ANALYZED	<u> </u>
SM18 4500CNE	Cyanide, Total	. 0.0100	u	0.0100	mg/L	07/07/04	
LAC 10210001A	Phenolics, Total Recoverable	0.0390		0.0100	mg/L	07/14/04	jpp
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-10
Date Sampled....: 07/01/2004
Time Sampled....: 11:20 Sample Matrix....: Water

Laboratory Sample ID: 237960-7
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	100000000
SM18 4500CNE	Cyanide, Total	0.0100	บ		0.0100	mg/L	07/07/04	1
LAC 10210001A	Phenolics, Total Recoverable	0.0130			0.0100	mg/L	07/14/04	jpp
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-6A
Date Sampled....: 07/01/2004
Time Sampled....: 13:10
Sample Matrix...: Water

Laboratory Sample ID: 237960-8
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	REPORTING LIMIT	STINU	ANALYZED	TECH
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/07/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0270			0.0100	mg/L	07/14/04	jpp
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-6B
Date Sampled....: 07/01/2004
Time Sampled....: 13:35
Sample Matrix...: Water

Laboratory Sample ID: 237960-9
Date Received.....: 07/02/2004
Time Received.....: 15:00

SM18 4500CNE   Cyanide, Total	7/04	
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

Customer Sample ID: W-1S Date Sampled....: 07/01/2004

Time Sampled....: 16:15 Sample Matrix....: Water

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Laboratory Sample ID: 237960-10 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
SM18 4500CNE	Cyanide, Total	0.0100	บ	0.0100	mg/L	07/07/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U .	0.0100	mg/L	07/14/04	jpp
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### TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTH: Mark Schumacher

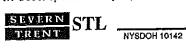
Customer Sample ID: MW-13 Date Sampled....: 07/01/2004 Time Sampled....: 13:10 Sample Matrix....: Water

Laboratory Sample ID: 237960-11 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT		ANALYZED	*********
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/07/04	
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	07/14/04	jpp
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TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-2S Date Sampled....: 07/01/2004
Time Sampled....: 15:00
Sample Matrix....: Water

Laboratory Sample ID: 237960-12 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 4500CNE	Cyanide, Total	0.0100	υ		0.0100	mg/L	07/07/04	1
LAC 10210001A	Phenolics, Total Recoverable	0.0200			0.0100	mg/L	07/14/04	jpp
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RESULTS LABORATORY TEST

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-7
Date Sampled....: 06/30/2004 Time Sampled....: 11:40 Sample Matrix....: Water

Laboratory Sample ID: 237960-13 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	0	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 4500CHE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/07/04	bg
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	07/14/04	jpp
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

PA 68-378

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, ELC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-3N
Date Sampled....: 06/30/2004 Time Sampled....: 13:10 Sample Matrix....: Water

Laboratory Sample ID: 237960-14 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 4500CNE	Cyanide, Total	0.0100	IJ		0.0100	mg/L	07/07/04	1
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	07/14/04	jpp
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-8B
Date Sampled....: 06/30/2004

Laboratory Sample ID: 237960-15 Date Received.....: 07/02/2004 Time Received.....: 15:00

Time Sampled....: 15:10 Sample Matrix....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	***************************************	2000		REPORTING LIMIT		ANALYZED	200000000000000000000000000000000000000
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/09/04	
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	07/14/04	jpp
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PA 68-378

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: MW-8A Date Sampled....: 06/30/2004
Time Sampled....: 16:20
Sample Matrix...: Water Laboratory Sample ID: 237960-16
Date Received.....: 07/02/2004
Time Received.....: 15:00

TEST HETHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT	UNITS	ANALYZED	
SM18 4500CNE	Cyanide, Total	0.0100	U	0.0100	mg/L	07/07/04	ł
LAC 10210001A	Phenolics, Total Recoverable	0.0120		0.0100	mg/L	07/14/04	jpp
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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-2N
Date Sampled....: 06/30/2004 Time Sampled....: 17:10 Sample Matrix...: Water

Laboratory Sample ID: 237960-17 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	٥	FLAGS	REPORTING LIMIT		ANALYZED	
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/07/04	
LAC 10210001A	Phenolics, Total Recoverable	0.0100			0.0100	mg/L	07/14/04	Jpp
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STL Newburgh 316 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/22/2004

CUSTOMERs inteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: FB Date Sampled....: 06/30/2004
Time Sampled....: 16:30
Sample Matrix....: Water Laboratory Sample ID: 237960-18 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAHETER/TEST DESCRIPTION	SAMPLE RESULT		REPORTING LIMIT		ANALYZED	
SM18 4500CHE	Cyanide, Total	0.0100	U	. 0.0100	mg/L	07/07/04	1
AC 10210001A	Phenolics, Total Recoverable	0.0100	U	0.0100	mg/L	07/14/04	jpp
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TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATIN: Mark Schumacher

Customer Sample ID: MW-11A Date Sampled....: 06/30/2004
Time Sampled....: 10:20
Sample Matrix....: Water

Laboratory Sample ID: 237960-19 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT		ANALYZED	20000000
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	07/07/04	1
LAC 10210001A	Phenolics, Total Recoverable	0.0360			0.0100	mg/L	07/14/04	jpp
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#### RESULTS TEST LABOŖATORY

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-11B Date Sampled....: 06/30/2004
Time Sampled....: 13:00
Sample Matrix...: Water Laboratory Sample ID: 237960-20 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	· · · · · · · · · · · · · · · · · · ·	REPORTING LIMIT		ANALYZED	1
SM18 4500CNE	Cyanide, Total	0.0100	U	0.0100	mg/L	07/09/04	1
AC 10210001A	Phenolics, Total Recoverable	0.0100	U	0.0100	mg/L	07/14/04	jp
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PA 68-378

TEST RESULTS LABORATORY

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: W-3S Date Sampled....: 07/01/2004

Time Sampled....: 13:00 Sample Matrix....: Water

Laboratory Sample ID: 237960-21 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	S REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 4500CNE	Cyanide, Total	0.0100	U	0.0100	mg/L	07/09/04	1
LAC 10210001A	Phenolics, Total Recoverable	0.0150		0.0100	mg/L	07/14/04	jpp
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RESULTS LABORATORY TEST

Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Customer Sample ID: MW-12 Date Sampled....: 06/30/2004
Time Sampled....: 00:00
Sample Matrix....: Water Laboratory Sample ID: 237960-23 Date Received.....: 07/02/2004 Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	REPORTING LIMIT		ANALYZED	20000000
SM18 4500CNE	Cyanide, Total	0.0100	U	0.0100	mg/L	07/09/04	!
LAC 10210001A	Phenolics, Total Recoverable	0.0100		0.0100	mg/L	07/14/04	jpp
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\* In Description = Dry Wgt.

Page 23 STL Nawburgh is a part of Severn Trent Laboratories, Inc.



#### 2A

# WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	STL Newburgh		Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960	_

EPA	SMC1	SMC2	SMC3	TOT
SAMPLE NO	D. (DCE) #	(TOL) #	(BFB) #	OUT
01 VBLK099	95	100	96	0
02 MW-4A	98	104	96	0
03 MW-4B	96	98	88	0
04 MW-7	95	102	92	0
05 MW-3N	96	100	91	0
06 MW-8B	93	101	88	0
07 MW-8A	96	106	88	0
08 VBLK013	96	102	91	0
09 MW-2N	94	100	96	0
10 FB	93	103	90	0
11 MW-11A	94	108	97	0
12 MW-11B	90	102	91	0
13 MW-12	88	104	98	0
14 MW-1N	89	104	95	00
15 MW-9A	93	103	89	0
16 MW-9B	92	103	90	0
17 MW-5	93	102	92	0
18 VBSPK10	86	99	89	0
19 VBLK014	92	103	87	0
20 MW-10	92	105	90	0
21 MW-6B	89	102	90	0
22 W-1S	88	108	89	0
23 VBSPK014	86	99	93	0
24 MW-8BMS	84	102	93	0
25 MW-8BMSD	86	99	. 88	0
26 MW-13	88	108	93	0
27 W-2S	89	106	92	0
28 MW-1NDL	86	100	94	0
29 MW-7MS	80	100	91	0
30 MW-7MSD	83	101	91	0
31 VBLK015	87	109	91	0

## QC LIMITS

SMC1	(DCE)	=	1,2-Dichloroethane-d4	(71-136)
SMC2	(TOL)	=	Toluene-d8	(79-109)
SMC3	(BFB)	=	Bromofluorobenzene	(71-136)

# Column to be used to flag recovery values

- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

page 1 of 2

FORM II VOA-1 STL Newburgh is a part of Severn Trent Laboratories, Inc.

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# WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	STL Newburgh		Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960	_

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
32	W-3S	87	104	88	0
- 1	TRIP BLANK	85	105	87	0
- 3	VBSPK015	80	100	87	0
- 1	MW-6A	79	98	104	0

### QC LIMITS

(71-136) 1,2-Dichloroethane-d4 (79-109)Toluene-d8 (TOL) SMC2 (71-136)Bromofluorobenzene (BFB) SMC3

# Column to be used to flag recovery values

- \* Values outside of contract required QC limits
- D System Monitoring Compound diluted out

page 2 of 2

FORM II VOA-1 STL Newburgh is a part of Severn Trent Laboratories, Inc.

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# 2C WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name:	STL Newburgh		Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960	

		]			0.4	05	00	S7	CO	TOT
	EPA	S1.	S2	S3	S4	S5	S6		S8	
	SAMPLE NO.	(2FP) #	(PHL) #	(2CP) #	(DCB) #	(NBZ) #	(FBP) #.	(TBP) #	(TPH) #	OUT
01	SBLK33	33	22	47	14	47	33	44	62	0
	SBSPK33	35	24	46	22	47	49	48	62	0
	SBLK34	24	17	35	4 *	27	8*	36	59_	2
	SBSPK34	43	28	55	18	53	33	47	62	0
	ZZZZZZ33MS	34	31	49	12	45	33	46	67	0
06	ZZZZZZ33MSD	30	28	44	10	39	31	55	61	0
	MW-4A	33	25	49	15	44	37	45	61	0_
	MW-4B	39	26	52	23	50	45	48	64	0
09	MW-1N	42	28	55	15	52	41	51	75	0
,	MW-9A	35	23	48	21	48	47	49	68	0
11	MW-9B	38	25	50	27	48	46	43	63	0
12	MW-5	35	24	47	20	44	42	48	63	0
13	MW-10	31	21	43	22	44	44	48	58	0
,	MW-6B	35	23	48	36	47	57	50	62	0
٠,	W-2S	32	20	43	30	43	46	40	58	0
,	W-1S	36	24	48	38	48	57	48	62	0
•	SBLK37	34	24	47	26	44	44	44	59	0
	SBSPK37	30	25	43	27	42	50	44	59	0
,	MW-13	40	29	49	32	47	49	47	64	0
20	MW-7	35	23	46	30	43	47	43	53	0
,	MW-3N	30	23	43	20	37	35	44	55	0
22	MW-8B	29	18	36	25	35	40	38	55	0
23	MW-8A	3	3 *	5 *	4 *	5*	6*	6*	8*	7
	MW-2N	38	28	53	30	45	45	46	52	0
25	FB	35	25	48	30	43	46	45	59	0
-	MW-11A	39	29	54	30	51	27	29	62	0
<b>)</b> =	MW-11B	28	19	39	19	34	30	38	46	0
28	W-3S	39	32	49	28	43	45	49	61	0
-	MW-12	48 *	38 *	62	30	53	47	53	67	2
30	MW-7MS	36	27	49	21	45	43	47	61	0
31	MW-7MSD	33	25	45	26	43	48	39	56	0

## QC LIMITS

S1	(2FP)	=	2-Fluorophenol	(2-47)
S2	(PHL)	=	Phenol-d5	(5-37)
S3	(2CP)	=	2-Chlorophenol-d4	(11-93)
84	(DCB)	=	1,2-Dichlorobenzene-d4	(10-90)
S5	(NBZ)	=	Nitrobenzene-d5	(18-117)
S6	(FBP)	=	2-Fluoroblphenyl	(17-113)
S7	(TBP)	=	2.4.6-Tribromophenol	(17-122)
SB	(TPH)	=	Terphenyl-d14	(18-130)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

D Surrogate diluted out

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# 2C WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name:	STL Newburgh		Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960

EPA	S1	S2	S3	S4	S5	S6	S7	S8	TOT
SAMPLE NO.	(2FP) #	(PHL) #	(2CP) #	(DCB) #	(NBZ) #	(FBP) #	(TBP) #	(TPH) #	OUT
MW-6A	*	*	*	*	*	74	*	*	7
MW-6ARE	*	*	*	*	*	74	*	82	6
SBLK43	31	19	49	26	49	49	62	52	0
SBSPK43	38	25	56	30	59	46	74	60	0
MW-8ARR	40	28	56	42	58	65	65	55	0

## QC LIMITS

S1	(2FP)	=	2-Fluorophenol	(2-47)
31		_	•	, ,
S2	(PHL)	=	Phenol-d5	(5-37)
S3	(2CP)	=	2-Chlorophenol-d4	(11-93)
S4	(DCB)	=	1,2-Dichlorobenzene-d4	(10-90)
S5	(NBZ)	=	Nitrobenzene-d5	(18-117)
S6	(FBP)	=	2-Fluorobiphenyl	(17-113)
	• •	=	2,4,6-Tribromophenol	(17-122)
S7	(TBP)			• •
22	(TPH)	=	Tembenyl-d14	(18-130)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

NJDEP 73016

D Surrogate diluted out

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SEVERN STI TRENT SE 2 OF 2 NYSDOH 10142

EPA NY049

PA 68-378

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Lab Name:

STL Newburgh

Contract:

b Code:

10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): Rtx-CLPest ID: 0.32 (mm)

GC Column (2): Rtx-CLPest2 ID: 0.32 (mm)

							. 1			OTUED	OTUED	TOT
	EPA	TCX	1	TCX	2	DCB	1	DCB	2	OTHER	OTHER	TOT
	SAMPLE NO.	%REC	#	%REC	#	%REC	#	%REC	#	(1)	(2)	OUT
1	PBLK22	29	*	32	*	84		87				2
2	PBSPK22	42		46		89		90				0
3	ZZZZZMS	48		51		86		80			<u>-:</u>	0
4	ZZZZZMSD	59		60		73		68				0
5	MW-4A	62		63		85		80				0
6	MW-4B	35	*	39		92		89				1
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**ADVISORY** 

QC LIMITS

TCX = Tetrachloro-m-xylene DCB = Decachlorobiphenyl

(38-120)(28-146)

# Column used to flag recovery values

- \* Values outside of QC limits.
- D Surrogates Diluted out.

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EPA NY049



Lab Name: STL Newburgh

Contract:

ab Code: 10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): DB-5

ID: 0.32 (mm)

GC Column (2): D6-1701P. ID: 0.32

121/09

		,		<del></del>				
	EPA	TCX 1		DCB 1	DCB 2	OTHER	OTHER	TOT
	SAMPLE NO.	%REC #	%REC #	%REC #	%REC #	(1)	(2)	OUT
1	PBLK22	41	41	77	78			0
2	PBSPK22	62	60	79	77			0
3	MW-4A	82	66	59	64			0
4	MW-4B	50	53	69	75			0
5	ZZZZZMS	64	57	64	68			0
6	ZZZZZMSD	59	53	76	78	· _		0
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**ADVISORY** 

QC LIMITS

TCX = Tetrachloro-m-xylene DCB = Decachlorobiphenyl

(38-120)

(28-146)

# Column used to flag recovery values

\* Values outside of QC limits.

D Surrogates Diluted out.

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Lab Name:

STL Newburgh

Contract:

b Code:

10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): Rtx-CLPest ID: 0.32 (mm)

GC Column (2): Rtx-CLPest2 ID: 0.32 (mm)

	EPA	TCX	1	TCX	2	DCB	1	DCB 2	OTHER	OTHER	TOT
	SAMPLE NO.	%REC	#	%REC	#	%REC	#	%REC #	(1)	(2)	OUT
1	PBLK23	62		77		116		119			0
2	PBSPK23	68		80		112		123			0
3	MW-1N	59		69		69		63			0
4	MW-9A	70		85		108_		110			0
5	MW-9B	32	*	37	*	112		123	<u> </u>		2
6	MW-5	45		54		101		104	<u> </u>		0
7	MW-10	62		75		86		86		<u> </u>	0
8	MW-6A	109		96		22	*	47			1
9	MW-6B	21	*	23	*	109		85	<u> </u>		2
10	W-1S	43		53		134		123			0
11	MW-13	41		49		119		89			0
12	W-2S	51		56		94		96			0
13	MVV-7	64		78		104		109	<u> </u>		0
14	MW-3N	55		66		101		89	-		0
15	MW-8B	84		99		121		125			0
16	MW-8A	53		48		102		108	<u> </u>		. 0
17	MW-2N	74		85		82	_	81			0
18	FB	. 38		· 45		79	_	77 .			0
19	MW-11A	71		60		77		73			0
20	. MW-11B	76		92		121		. 122			.0
21	W-3S	46		55		101	_	109			0
22	MW-12	85		97	_	117	_	123			0
23	MW-8BMS	51		61 .		123		129			0
24	MW-8BMSD	71		84		116	ļ	119			0
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**ADVISORY** QC LIMITS

TCX = Tetrachloro-m-xylene

(38-120)

DCB = Decachlorobiphenyl

(28-146)

# Column used to flag recovery values

- \* Values outside of QC limits.
- D Surrogates Diluted out.

3/90

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841





Lab Name: STL Newburgh

Contract:

ab Code: 10142

Case No.:

SAS No.:

SDG No.:

GC Column (1): 108-5

ID: 0.32 (mm)

GC Column (2): DB-17018 ID: 0.32

A7/21/04

1 PBLK23 64 62 102 89 0 2 PBSPK23 63 61 98 89 0 3 MW-1N 59 46 68 45 0 4 MW-9A 71 67 96 83 0 5 MW-9B 37 36 94 87 2 6 MW-5 48 47 87 80 0 7 MW-10 63 63 107 70 0 8 MW-6A 39 40 145 18 1 1 9 MW-6B 30 31 74 85 2 10 W-1S 54 55 92 87 0 11 MW-13 49 52 95 67 0 12 W-2S 51 55 85 73 0 13 MW-7 79 81 111 95 0 14 MW-3N 53 51 94 77 0 15 MW-8B 82 82 115 100 0 16 MW-8A 52 45 94 83 0 17 MW-1A 139 52 78 53 1 20 MW-1B 82 78 107 90 0 21 W-2S 78 66 57 66 0 22 MW-11 1 139 52 78 53 1 24 MW-14 139 52 78 53 1 25 MW-16 14 14 15 16 100 0 26 MW-17 18 66 57 66 0 27 MW-18 82 78 107 90 0 28 FB 42 40 76 62 0 29 MW-11 82 77 19 84 0 20 MW-11 82 78 107 90 0 21 W-3S 63 82 103 91 0 22 MW-12 87 71 94 85 0 23 MW-8BMS 46 44 99 84 0 24 MW-8BMSD 66 62 106 93 0 25 66 62 106 93 0 27 28 99 0		EPA		1	TCX	2	DCB.	1	DCB	2	OTHER	OTHER	тот
PBSPK23 63 61 98 89 0  MW-1N 59 46 68 45 0  MW-9A 71 67 96 83 0  MW-9B 37 36 94 87 2  MW-9B 37 36 63 107 70 0  MW-10 63 63 107 70 0  MW-6A 39 40 145 18 1 1  MW-6B 30 31 74 85 2  W-1S 54 55 92 87 0  MW-11 MW-13 49 52 95 67 0  W-2S 51 55 85 73 0  MW-3N 53 51 94 77 0  MW-8B 82 82 115 100 0  MW-8B 82 82 115 100 0  MW-8A 52 45 94 83 0  MW-8B 66 57 66 0  MW-1A 139 52 78 53 1  MW-1A 139 52 78 53 1  MW-1A 139 52 78 53 1  MW-1A 139 52 78 53 1  MW-1A 139 52 78 53 1  MW-1A 14 MW-1A 14 14 14 15 14 15 10 16 16 16 16 16 16 16 16 16 16 16 16 16		SAMPLE NO.	%REC	#	%REC	#	%REC	#	%REC	#	(1)	(2)	OUT
MW-1N   59   46   68   45   0   0   0   0   0   0   0   0   0	1	PBLK23	64		62								0
4         MW-9A         71         67         96         83         0           5         MW-9B         37         36         94         87         2           6         MW-10         63         63         107         70         0           8         MW-6A         39         40         145         18         1           9         MW-6B         30         31         74         85         2           10         W-1S         54         55         92         87         0           11         MW-13         49         52         95         67         0           12         W-2S         51         55         85         73         0           13         MW-7         79         81         111         95         0           14         MW-3N         53         51         94         77         0           15         MW-8B         82         82         115         100         0           16         MW-8A         52         45         94         83         0           17         MW-2N         78         66         57	2	PBSPK23	63		61								
MW-9B         37         36         94         87         2           MW-5         48         47         87         80         0           MW-10         63         63         107         70         0           MW-6A         39         40         145         18         *         1           9         MW-6B         30         * 31         * 74         85         2           10         W-1S         54         55         92         87         0           11         MW-13         49         52         95         67         0           11         MW-13         49         52         95         67         0           12         W-2S         51         55         85         73         0           13         MW-7         79         81         111         95         0           14         MW-8N         53         51         94         77         0           15         MW-8B         82         82         115         100         0           16         MW-8A         52         45         94         83         0	3	MW-1N	59		46								0
6         MW-5         48         47         87         80         0           7         MW-10         63         63         107         70         0           8         MW-6A         39         40         145         18         *         1           9         MW-6B         30         *         31         *         74         85         2           10         W-1S         54         55         92         87         0         0           11         MW-13         49         52         95         67         0         0           12         W-2S         51         55         85         73         0         0           12         W-2S         51         55         85         73         0         0           13         MW-7         79         81         111         95         0         0           14         MW-3N         53         51         94         77         0         0           15         MW-8B         82         82         115         100         0         0           16         MW-8A         52         45<	4	MW-9A	71		67		96		83				0
7         MW-10         63         63         107         70         0           8         MW-6A         39         40         145         18         *         1           9         MW-6B         30         *         31         *         74         85         2           10         W-1S         54         55         92         87         0         0           11         MW-13         49         52         95         67         0         0           12         W-2S         51         55         85         73         0         0           12         W-2S         51         55         85         73         0         0           13         MW-7         79         81         111         95         0         0           14         MW-3N         53         51         94         77         0         0           15         MW-8B         82         82         115         100         0         0           16         MW-8B         82         45         94         83         0         0           17         MW-2N         78	5	MW-9B	37	*	36	*	94		87				2
8         MV-6A         39         40         145         18         *         1           9         MV-6B         30         *         31         *         74         85         2           10         W-1S         54         55         92         87         0           11         MW-13         49         52         95         67         0           12         W-2S         51         55         85         73         0           13         MW-7         79         81         111         95         0           14         MW-3N         53         51         94         77         0           15         MW-8B         82         82         115         100         0         0           16         MW-8A         52         45         94         83         0         0           16         MW-2N         78         66         57         66         0         0           18         FB         42         40         76         62         0         0           19         MW-11A         139         * 52         78         53	6	MW-5	48		47		87		80				0
9 MW-6B 30 * 31 * 74 85 2  10 W-1S 54 55 92 87 0  11 MW-13 49 52 95 67 0  12 W-2S 51 55 85 73 0  13 MW-7 79 81 111 95 0  14 MW-3N 53 51 94 77 0  15 MW-8B 82 82 115 100 0  16 MW-8A 52 45 94 83 0  17 MW-2N 78 66 57 66 0  18 FB 42 40 76 62 0  19 MW-11A 139 * 52 78 53 1  20 MW-11B 82 78 107 90 0  21 W-3S 63 82 103 91 0  22 MW-12 87 71 94 85 0  24 MW-8BMS 46 44 99 84 0  25 66 77 86 66 70 0  26 MW-8BMS 46 64 99 84 0  27 28 99 99 99 99 99 99 99 99 90 0	7	MW-10	63		63		107		70				0
10 W-1S 54 55 92 87 0 11 MW-13 49 52 95 67 0 12 W-2S 51 55 85 73 0 13 MW-7 79 81 111 95 0 14 MW-3N 53 51 94 77 0 15 MW-8B 82 82 115 100 0 16 MW-8A 52 45 94 83 0 17 MW-2N 78 66 57 66 0 18 FB 42 40 76 62 0 19 MW-11A 139 52 78 53 1 20 MW-11B 82 78 107 90 0 21 W-3S 63 82 103 91 0 22 MW-12 87 71 94 85 0 24 MW-8BMS 46 44 99 84 0 25 0 26 0 27 28 0 29 0 0 0	8	MVV-6A	39		40		145		18	*			1
11	9	MW-6B	30	*	31	*	- 74		85				2
12         W-2S         51         55         85         73         0           13         MW-7         79         81         111         95         0           14         MW-3N         53         51         94         77         0           15         MW-8B         82         82         115         100         0           16         MW-8A         52         45         94         83         0           17         MW-2N         78         66         57         66         0           18         FB         42         40         76         62         0           19         MW-11A         139         52         78         53         1           20         MW-11B         82         78         107         90         0         0           21         W-3S         63         82         103         91         0         0           22         MW-12         87         71         94         85         0         0           23         MW-8BMS         46         44         99         84         0         0           25	10	W-1S	54		55		92		87				0
13         MW-7         79         81         111         95         0           14         MW-3N         53         51         94         77         0           15         MW-8B         82         82         115         100         0           16         MW-8A         52         45         94         83         0           17         MW-2N         78         66         57         66         0           18         FB         42         40         76         62         0           19         MW-11A         139         52         78         53         1           20         MW-11B         82         78         107         90         0           21         W-3S         63         82         103         91         0           22         MW-12         87         71         94         85         0           23         MW-8BMS         46         44         99         84         0           24         MW-8BMSD         66         62         106         93         0           25         26         27         28         29	11	MVV-13	49		52		95		67				0
14       MW-3N       53       51       94       77       0         15       MW-8B       82       82       115       100       0         16       MW-8A       52       45       94       83       0         17       MW-2N       78       66       57       66       0         18       FB       42       40       76       62       0         19       MW-11A       139       52       78       53       1         20       MW-11B       82       78       107       90       0         21       W-3S       63       82       103       91       0         22       MW-12       87       71       94       85       0         23       MW-8BMS       46       44       99       84       0         24       MW-8BMSD       66       62       106       93       0         25	12	W-2S	51		55		85_		73				0
15	13	MW-7	79		81		111		95				0
16       MW-8A       52       45       94       83       0         17       MW-2N       78       66       57       66       0         18       FB       42       40       76       62       0         19       MW-11A       139       52       78       53       1         20       MW-11B       82       78       107       90       0       0         21       W-3S       63       82       103       91       0       0         22       MW-12       87       71       94       85       0       0         23       MW-8BMS       46       44       99       84       0       0         25	14	MW-3N	53		51		94		77				0
17       MW-2N       78       66       57       66       0         18       FB       42       40       76       62       0         19       MW-11A       139       52       78       53       1         20       MW-11B       82       78       107       90       0         21       W-3S       63       82       103       91       0         22       MW-12       87       71       94       85       0         23       MW-8BMS       46       44       99       84       0         24       MW-8BMSD       66       62       106       93       0         25	15	MW-8B	82		82		115		100				0
18       FB       42       40       76       62       0         19       MW-11A       139       52       78       53       1         20       MW-11B       82       78       107       90       0         21       W-3S       63       82       103       91       0         22       MW-12       87       71       94       85       0         23       MW-8BMS       46       44       99       84       0         24       MW-8BMSD       66       62       106       93       0         25	16	MW-8A	. 52		45		94		83				0
19 MW-11A 139 * 52 78 53 1 1 20 MW-11B 82 78 107 90 0 21 W-3S 63 82 103 91 0 22 MW-12 87 71 94 85 0 23 MW-8BMS 46 44 99 84 0 24 MW-8BMSD 66 62 106 93 0 25 0 0 26 0 0 0 27 0 0 0 0 28 0 0 0 0 0 0 29 0 0 0 0 0 0 20 0 0 0 0 0 0 20 0 0 0 0 0	17	MW-2N	78		66		57 .		66				0
20 MW-11B 82 78 107 90 0 21 W-3S 63 82 103 91 0 22 MW-12 87 71 94 85 0 23 MW-8BMS 46 44 99 84 0 24 MW-8BMSD 66 62 106 93 0 25 0 0 0 26 0 0 0 0 0 27 0 0 0 0 0 0 0 28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18	FB	42		40		76		62				0
21 W-3S 63 82 103 91 0 22 MW-12 87 71 94 85 0 23 MW-8BMS 46 44 99 84 0 24 MW-8BMSD 66 62 106 93 0 25 0 0 0 27 0 0 0 0 28 0 0 0 0 0 0 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19	MW-11A	139	*	52		78 ·		53				
22 MW-12 87 71 94 85 0 23 MW-8BMS 46 44 99 84 0 24 MW-8BMSD 66 62 106 93 0 25	20	MW-11B	82		78		107		90				0
23 MW-8BMS 46 44 99 84 0 24 MW-8BMSD 66 62 106 93 0 25	21	W-3S	63		82 ·		103		91				0
24 MW-8BMSD 66 62 106 93 0 25	22	MW-12	87		71		94		85				0
25	23	MW-8BMS	46		44		99		84				0
26       27       28       29	24	MW-8BMSD	66		62		106	İ	93				0
27       28       29	25												
28       29	26												
29	-27												
	28												
30	29	•		I									
· · · · · · · · · · · · · · · · · · ·	30					$\Box$							

**ADVISORY QC LIMITS** 

TCX = Tetrachloro-m-xylene

(38-120)

DCB = Decachlorobiphenyl

(28-146)

# Column used to flag recovery values

- \* Values outside of QC limits.
- D Surrogates Diluted out.

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Lab Name:	STL Newburgh	1	Contract:		Ē	
Lab Code:	10142	Case No.:	SAS No.:	_ SDG No.:	237960	
Matrix Chika	EDA Sample	No VBSPK10				

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	REC.
1,1-Dichloroethene	50	47	94	73 - 133
Trichloroethene	50	52 .	104	74 - 127
Benzene	50	60	120	73 - 131
Toluene	50	53	106	81 - 123
Chlorobenzene	50	51	102	77 - 127

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:	
COMMENTS:	



Lab Name:	STL Newburgh		Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960
		v visosiko44			

Matrix Spike - EPA Sample No. VBSPK014

COMPOUND	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC#	QC LIMITS REC.
1,1-Dichloroethene	50	44	88	73 - 133
Trichloroethene	. 50	51	102	74 - 127
Benzene	50	61	122	73 - 131
Toluene	50	54	108	81 - 123
Chlorobenzene	50	52	104	77 - 127

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:	
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Lab Name:	STL Newburgh		Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960
Motriy Spike	- EDA Sample N	Jo VBSPK015			

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	REC.
1,1-Dichloroethene	50	45	90	73 - 133
Trichloroethene	50	55 .	110	74 - 127
Benzene	50	68	136 *	73 - 131
Toluene	50	56	112	81 - 123
Chlorobenzene	50	52	104	77 - 127

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 1 out of 5 outside limits

COMMENTS:	

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# 3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh		Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960
Matrix Spike	- EPA Sample N	lo MW-8B			

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC.
1,1-Dichloroethene	50	0	43	86	73 - 133
Trichloroethene	50	0	. 52	<sup>7</sup> 104	74 - 127
Benzene	50	0	58	116	73 - 131
Toluene	50	0	54	108	81 - 123
Chlorobenzene	50	0	48	96	77 - 127

	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC#	% RPD#	QC I RPD	JIMITS
COMPOUND	(dg/L)	40	80	7	14	73 - 133
1,1-Dichloroethene Trichloroethene	50	47	94	10	14	74 - 127
Benzene	50	- 57	114	2	11	73 - 131
Toluene	50	50	100	8	13	81 - 123
Chlorobenzene	50	46	92	4	13	77 - 127

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:		 	· <del></del>	_

# WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newburgh		_ Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960	
Matrix Snike	- FPA Sample I	No MW-7		•		

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	QC LIMITS REC.
1.1-Dichloroethene	50	0	42	84	73 - 133
Trichloroethene	50	0	. 53	106	74 - 127
Benzene	50	0	61	122	73 - 131
Toluene	50	0	52	104	81 - 123
Chlorobenzene	50	. 0	48	96	77 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC#	% RPD#	QC I RPD	LIMITS REC.
1.1-Dichloroethene	50	40	80	5	14	73 - 133
Trichloroethene	50	. 50 .	100	6	14	74 - 127
Benzene	50	57	114	7	11	73 - 131
Toluene	50	50	100	4	13	81 - 123
Chlorobenzene	50	48	96	0	13	77 - 127

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:	
-	



#### 3C

# WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newburgh	1	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960
	<b>504.0</b>	Nia ファフフフフ			

Matrix Spike - EPA Sample No ZZZZZZ33

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.
Phenol	75	0	18	24	20 - 96
2-Chlorophenol	75	0	34	45	17 - 73
1,4-Dichlorobenzene	50	0	9	18 *	25 - 89
N-Nitroso-di-n-propylamine	50	0	25	50	44 - 102
1,2,4-Trichlorobenzene	50	0	12	24 *	44 - 100
4-Chloro-3-methylphenol	75	0	40	53	24 - 80
Acenaphthene	50	0	23	46	35 - 107
2,4-Dinitrotoluene	50	0	28	56	28 - 126
4-Nitrophenol	75	0	18	24 *	29 - 129
Pentachiorophenol	75	0	53	71	35 - 139
Pyrene	50	0	37	74	38 - 126

	SPIKE	MSD	MSD %	%	001	IMITS
COMPOUND	ADDED (ug/L)	CONCENTRATION (ug/L)	REC#	RPD#	RPD	REC.
Phenol	75	17	23	4	42	20 - 96
2-Chlorophenol	75	31	41	9	40	17 - 73
1,4-Dichlorobenzene	50	8	16 *	12	28	25 - 89
N-Nitroso-di-n-propylamine	50	24	48	4	38	44 - 102
1,2,4-Trichlorobenzene	50	12	24 *	0	28	44 - 100
4-Chloro-3-methylphenol	75	41	55	4	42	24 - 80
Acenaphthene	50	24	48	4	31	35 - 107
2,4-Dinitrotoluene	50	30	60	7	38	28 - 126
4-Nitrophenol	75	20	27 *	12	50	29 - 129
Pentachlorophenol	75	52	69	3	50	35 - 139
Pyrene	50	33	66	11	31	38 - 126

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 6 out of 22 outside limits

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STL Newburgh

#### 3C

# WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	STL Newburgh		Contract:		
		Case No.:	SAS No.:	SDG No.:	237960
Matrix Snike	- FPA Sample N	lo MW-7			

	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	REC.
Phenoi	77	0	19	25	20 - 96
2-Chlorophenol	77	0	36	47	17 - 73
1,4-Dichlorobenzene	51	0	12	24 *	25 - 89
N-Nitroso-di-n-propylamine	51	0	25	49	44 - 102
1,2,4-Trichlorobenzene	51	0	16	31 *	44 - 100
4-Chioro-3-methylphenol	77	0	41	53	24 - 80
Acenaphthene	51	0	26	51	35 - 107
2,4-Dinitrotoluene	51	0	29	57	28 - 126
4-Nitrophenol	77	0	21	27 *	29 - 129
Pentachlorophenol	77	0	52	68	35 - 139
Pyrene	51	0	34	67	38 - 126

	SPIKE	MSD	MSD			
	ADDED	CONCENTRATION	%	%	. QCI	IMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	REC.
Phenol	75	17	23	8	42	20 - 96
2-Chlorophenol	75	31	41	14	40	17 - 73
1.4-Dichlorobenzene	50	11	22 *	9	28	25 - 89
N-Nitroso-di-n-propylamine	50	21	42 *	15	38	44 - 102
1,2,4-Trichlorobenzene	50	16	32 *	3	28	44 - 100
4-Chloro-3-methylphenol	75	33	44	19	42	24 - 80
Acenaphthene	50	24	48	6	31	35 - 107
2,4-Dinitrotoluene	50	23	46	21	38	28 - 126
4-Nitrophenol	75	14	19 *	35	50	29 - 129
Pentachlorophenol	75	41	. 55	21	50	35 - 139
Pyrene	50	30	60	11	31	38 - 126

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 7 out of 22 outside limits

COMMENTS:	
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Lab Name:	STL Newburgh		Contract:	<del> </del>	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960
Matrix Spika	- EPA Samnie i	No SBSPK33			

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	REC.
Phenol	25	7	28	20 - 96
2-Chlorophenol	25	11	44	17 - 73
1.4-Dichlorobenzene	25	9	36	25 - 89
N-Nitroso-di-n-propylamine	25	11	44	44 - 102
1,2,4-Trichlorobenzene	25	11	44	44 - 100
4-Chloro-3-methylphenol	25	13	52	24 - 80
Acenaphthene	25	14.	56	35 - 107
2,4-Dinitrotoluene	25	15	60	28 - 126
4-Nitrophenol	25	4	16 *	29 - 129
Pentachlorophenol	25	15	60	35 - 139
Pyrene	25	17	68	38 - 126

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 1 out of 11 outside limits

COMMENTS:	



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Lab Name:	STL Newb	urgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237960
Matrix Spike	- EPA Sam	ple No. SBSPK34		•

	SPIKE	BS	BS	QC
•	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	REC.
Phenol	25	8	32	20 - 96
2-Chlorophenol	25	12	48	17 - 73
1,4-Dichlorobenzene	25	7	28	25 - 89
N-Nitroso-di-n-propylamine	25	11	44	44 - 102
1,2,4-Trichlorobenzene	25	7	28 *	44 - 100
4-Chloro-3-methylphenol	25	12	48	24 - 80
Acenaphthene	25	11	44	35 - 107
2,4-Dinitrotoluene	25	14	56	28 - 126
4-Nitrophenol	25	3	12 *	29 - 129
Pentachlorophenol	25	13	52	35 - 139
Pyrene	25	16	64	38 - 126

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 2 out of 11 outside limits

COMMENTS:
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Lab Name:	STL Newb	urgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237960
Mairly Snika	_ EDA Sam	onle No. SBSPK37		

COMPOUND	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC#	QC LIMITS REC.
Phenol	25	11	44	20 - 96
2-Chlorophenol	25	10	40	17 - 73
1,4-Dichlorobenzene	25	8	32	25 - 89
N-Nitroso-di-n-propylamine	25	11	44	44 - 102
1,2,4-Trichlorobenzene	25	10	40 *	44 - 100
4-Chloro-3-methylphenol	25	12	48	24 - 80
Acenaphthene	25	14	56	35 - 107
2,4-Dinitrotoluene	25	14	56	28 - 126
4-Nitrophenol	25	4	16 *	29 - 129
Pentachlorophenol	25	13	52	35 - 139
Pyrene	25	16	64	38 - 126

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 2 out of 11 outside limits

COMMENTS:	



Lab Name:	STL Newb	ourgh	Contract:			
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:	237960	
Matrix Spike	- EPA San	nple No. SBSPK43				

	SPIKE	BS	BS	QC
	ADDED	CONCENTRATION	%	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	REC.
Phenol	25	7	28	20 - 96
2-Chiorophenoi	25	13	52	17 - 73
1,4-Dichlorobenzene	25	13	52	25 - 89
N-Nitroso-di-n-propylamine	25	13	52	44 - 102
1,2,4-Trichiorobenzene	25	15	60	44 - 100
4-Chloro-3-methylphenol	25	15	60	24 - 80
Acenaphthene	25	17	68	35 - 107
2,4-Dinitrotoluene	25	18	72	28 - 126
4-Nitrophenol	25	8	32	29 - 129
Pentachlorophenol	25	11	44	35 - 139
Pyrene	25	15	60	38 - 126

# Column to be used to flag recovery values with an asterisk

\* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:	



# 3E WATER PESTICIDE BLANK SPIKE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

PBSPK22

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BS % REC	#_	QC LIMITS REC.
gamma-BHC(Lindane)	0.20	0.0	0.099	50	*	64-114
Heptachlor	0.20	0.0	0.113	57		54-118
Aldrin	0.20	0.0	0.089	45	*	50-112
Dieldrin	0.20	0.0	0.132	66		50-152
Endrin	0.20	0.0	0.142	71		64-138
4,4'-DDT	0.20	0.0	0.140	70		69-129

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

FORM III PEST

3/90

# 3E WATER PCB MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh

Contract:

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - STL Sample No.

PBSPK22

·	SPIKE ADDED	BLANK SPIKE CONCENTRATION	BLANK SPIKE %	QC LIMITS
COMPOUND	(ug/L)	(ug/L)	RECOVERY	
Aroclor 1242	2.0	1.61	81	43-93

FORM III PEST

3/90



# 3E WATER PESTICIDE BLANK SPIKE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

PBSPK23

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	BLANK SPIKE CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	0.20	0.0	0.146	73	64-114
Heptachlor	0.20	0,0	0.185	93	54-118
Aldrin	0.20	0.0	0.140	70	50-112
Dieldrin	0.20	0.0	0.186	93	50-152
Endrin	0.20	0.0	0.225	113	64-138
4,4'-DDT	0.20	0.0	0.215	108	69-129
		<u> </u>		<u>.1</u>	

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

FORM III PEST

3/90

# 3E WATER PCB MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh

Contract:

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - STL Sample No.

PBSPK23

	SPIKE ADDED	BLANK SPIKE CONCENTRATION	BLANK SPIKE %	QC LIMITS
COMPOUND	(ug/L)	(ug/L)	RECOVERY	
Aroclor 1242	2.0	1.65	83	43-93

FORM III PEST

3/90



3E

# WATER PESTICIDE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

ZZZZZ

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMI <sup>*</sup> REC
gamma-BHC(Lindane)	0.56		0.35	63	* 64-1
Heptachlor	0.56	0.0	0.33	59	54-1
Aldrin	0.56		0.29	52	50-1
Dieldrin	1.1	0.0	0.95	85	50-1
Endrin	1.1	. 0.0	0.98	88	64-13
4,4'-DDT	1.1	0.0	0.94	84	69-12
				<u> </u>	

	SPIKE	MSD	MSD				
	ADDED	CONCENTRATION	%	%		QC I	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC #	RPD	#	RP	REC.
gamma-BHC(Lindane)	0.57	0.48	85	30	*	15	64-114
Heptachlor	0.57	0.40	70	17		20	54-118
Aldrin	0.57	0.39	68	27	*.	22	50-112
Dieldrin	1.2	1.05	91	7		18	50-152
Endrin	1.2	1.10	96	9		21	64-138
4,4'-DDT	1.2	1.01	88	5		27	69-129
		•					

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD: 2

out of

outside limits

Spike Recovery:

out of

12

outside limits

FORM III PEST

3/90

.

WATER PESTICIDE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

3E

Lab Name:

STL Newburgh

Contract:

Lab Code:

10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - EPA Sample No.:

MW-8B

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC(Lindane)	1.02	0.0	0.70	69	64-114
Heptachlor	1.02	0.0	0.57	56	54-118
Aldrin	1.02	0.0	0.52	51	50-112
Dieldrin	2.0	0.0	1.94	95	50-152
Endrin	2.0	0.0	2.24	110	<del>64</del> -138
4,4'-DDT	2.0	0.0	2.36	116	69-129

·	SPIKE ADDED	MSD CONCENTRATION	MSD %	%		QC L	IMITS
COMPOUND	(ug/L)	(ug/L)	REC #	RPD	#_	RP	REC.
gamma-BHC(Lindane)	1.02		81	16	*	15	64-114
Heptachlor	1.02		60	7		20	54-118
	1.02	0.61	59	15		<sup></sup> 22 ···	50-112
Dieldrin	2.0	1.97	97	2		18	50-152
Endrin	2.0	2.22	109	1		21	64-138
4,4'-DDT	2.0	2.28	112	4		27	69-129

# Column to be used to flag recovery and RPD values with an asterisk

\* Values outside of QC limits

RPD:

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outside limits

Spike Recovery:

0

out of

12 outside limits

FORM III PEST

3/90

SEVERN STL

# 3E WATER PCB MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh

Contract

Lab Code: 10142 Case No.:

SAS No.:

SDG No.:

Matrix Spike - STL Sample No.

**ZZZZZ** 

COMPOUND	SPIKE	SAMPLE	MS	MS
	ADDED	CONCENTRATION	CONCENTRATION	%
	(ug/L)	(ug/L)	(ug/L)	REC
Aroclor 1242	2.0	0.0	1.62	81

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % RECOVERY	QC LIMITS
Aroclor 1242	2.0	1.64	82	43-93
			· · · · · · · · · · · · · · · · · · ·	

FORM III PEST

3/90

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PA 68-378

# 3E WATER PCB MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh

Contract

Lab Code: 10142

Case No.:

SAS No.:

SDG No.:

Matrix Spike - STL Sample No.

MW-8B

COMPOUND	SPIKE	SAMPLE	MS	MS
	ADDED	CONCENTRATION	CONCENTRATION	%
	(ug/L)	(ug/L)	(ug/L)	REC
Aroclor 1242	4.1	0.0	3.33	82

	SPIKE ADDED	MSD CONCENTRATION	MSD %	QC LIMITS
COMPOUND	(ug/L)	(ug/L)	RECOVERY	
Aroclor 1242	4.1	3.84	94 *	43-93
			·	

FORM III PEST

3/90

б DUPLICATES

EPA S	MPLE	NO
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MW-7D
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% Solids for Duplicate: \_\_\_\_\_

Lab	Name:	STL Newburgh	Contract: COOPER	
Lab	Code:	10142 Case No.:	SAS No.:	SDG No.:
Mati	rix (so	oil/water): <u>Water</u>	Level	(low/med): LOW

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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CTDOHS PH-0554

ILM04.0

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% Solids for Sample: \_\_\_\_\_

# 6 DUPLICATES

EPA	SAMPLE	NO
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% Solids for Duplicate: \_\_\_\_\_

Lab Name: STL Newburgh	Contract: COOPER	
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): Water_		(low/med): LOW

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte  Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Nickel Selenium Silver Vanadium Zinc	Limit  20.0	Sample (S) C  17.1440 BB 24.4239 BB 5.7523 BB 2.1896 BB 6.4937 BB 20.7561 BB 7.7802 BB 7.7802 BB 9.3135 BB 9.3135 BB 5.5352 BB 39.2591 BB	5.6584     B       19.5213     B       3.4031     B       0.8000     D       4.6361     B       8.8616     B       13.2645     B       2.2752     B       3.4000     D       17.4000     D       200.0     P       200.0     P       200.0     P       200.0     P       200.0     P       200.0     P       200.0     P

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EPA NY049

% Solids for Sample: \_\_\_\_\_

# 6 DUPLICATES

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract: COOPER	
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): Water_	Level (1	ow/med): LOW
% Solids for Sample:	% Solids for Dupl:	icate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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Analyte	TITILITO	Dampre (b)		П	<b>_</b>		11		
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### 6 DUPLICATES

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		MW-	81	3D
SI	)G	No.	:	***************************************

Lab Name: STL Newburgh

Contract: COOPER

Lab Code: 10142 Case No.: \_\_\_\_

SAS No.: \_\_\_\_

Level (low/med): LOW

Matrix (soil/water): Water % Solids for Sample: \_\_\_\_\_

% Solids for Duplicate: \_\_\_\_\_

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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Analyte	Limit	Sample (S)	C	Duplicate (D) C	11		M
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ILM04.0 STL Newburgh

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EPA NY049

6 DUPLICATES

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LFA	SAMPLE	MO

Lab Name: STL Newburgh	Contract:		MW - 7D
Lab Code: 10142	SAS No.:		SDG No.:
Matrix (soil/water): Water		Level	(low/med): <u>LOW</u>
% Solids for Sample:	% Solids	for Dup	plicate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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Analyte	Limit	Sample	(S)	С		Duplicate	(D)	С	RPD	Ç	M C
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EPA NY049

6 DUPLICATES

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract:	MW-8BD
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): Water		Level (low/med): LOW
% Solids for Sample:	% Solids	for Duplicate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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Analyte	Limit	Sample (S)	c	Duplicate (D)	c	RPD	QM
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## 6 DUPLICATES

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract: COOPER	, ZZZZZMO (a
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): Water	Level	(low/med): LOW
% Solids for Sample:	% Solids for Du	uplicate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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Analyte	Limit	Sample	(S)	С	Duplicate (D)	C	RPD	Q	M
Cyanide			10.0000	Ū	10.0000	밀			P
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## 6 **DUPLICATES**

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract: COOPER	MW-7D
	CAC No.	SDG No.:
Lab Code: 10142 Case No.:	SAS No.:	DUG NO.:
Matrix (soil/water): Water	Level	(low/med): LOW
% Solids for Sample:	% Solids for Dup	olicate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

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Analyte	Limit	Sample	(S)	С	Duplicat	e (D)	C	RPD	Ω	м
Cyanide			10.0000	ਧ	1	0.0000	ᄪ			P
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CTDOHS PH-0554

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M-NY049

## 6 DUPLICATES

EPA	SAMPLE	NO
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Lab Name: STL Newburgh	Contract: COOPER	
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): Water	Level (	(low/med): LOW
% Solids for Sample:	% Solids for Dup	olicate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample	(S)	С	Duplicate (D)	С	RPD	Q	м
Cyanide			10.0000	<u>च</u>	10.0000	미		-	P
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## 5A SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO
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	MW-7S
-	

Lab Name: STL Newburgh	Contract: COOPER	
Lab Code: 10142 Case No.:	SAS No.:	SDG No.:
Matrix (soil/water): Water	Level	(low/med): LOW_

% Solids for Sample: \_

Concentration Units (ug/L or mg/Kg dry weight): ug/L

						1	·		
Analyte  Arsenic Barium Beryllium Cadmium Chromium Chromium Copper Lead Nickel Selenium Silver Vanadium Zinc	Control Limit %R  75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	Spiked Sample Result (SSR)  51.4343 2129.7571 51.2426 49.3564 213.8041 537.2375 296.9545 21.1426 530.0475 23.6209 37.3147 527.1476 584.2685	C	Sample Result (SR)  4.8781 29.4925 1.3246 0.8000 5.4060 9.9684 15.2375 2.2000 3.4000 17.4000 7.9793 4.6000 39.7620		Spike Added (SA)  40.00 2000.00 50.00 200.00 200.00 250.00 20.00 500.00 500.00 500.00	%R  116.4 105.0 99.8 98.7 104.2 105.4 112.7 106.0 118.1 58.7 105.4 108.9	Q	
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Comments:	•	
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## 5A SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO
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MW-8BS	
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Lab Name: STL Newburgh	Contract: COOPER	
Lab Code: 10142	SAS No.:	SDG No.:
Matrix (soil/water): Water	Level	(low/med): LOW
% Solids for Sample:	•	

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte  Arsenic Barium Beryllium 75 Cadmium Chromium Chromium Tobalt Jopper Lead Nickel Selenium Silver Vanadium 75	Control Limit %R  75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125 75-125	Spiked Sample Result (SSR)  53.9727 2173.4439 53.1337 50.5833 217.8317 542.4978 305.9528 17.3341 539.7852 25.0831 40.4542	0 1111111	Sample Result (SR)  17.1440 24.4239 5.7523 2.1896 6.4937 11.9305 20.7561 7.7802 6.6457 20.8386 9.3135	बार्काक्षाक्षाक्षाक्ष	Spike Added (SA)	%R  92.1 107.4 94.8 96.8 105.7 106.1 114.1 47.8 106.6 21.2	Z   Z	
	75-125	537.9249 579.9843		5.5352 39.2591		50.00 500.00 500.00	62.3 106.5 108.1		교 교
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Comments:	

## 5A SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO

Lab Name:	STL Newbu	ırah		Contract: C	00	PER	MW-7S		
		Case No.:	_	SAS No.:			OG No.:		
				<u></u>		- Level (lov	v/med):	LO	W
Matrix (so:						, = -	· · · · · · · · · · · · · · · · · · ·		
% Solids fo	or Sample	):							
Co	oncentrat	cion Units (ug/l	، ن	or mg/Kg dry w	eiq	ght): ug/L	_		<b></b>
Analyte	Control Limit %R	Spiked Sample Result (SSR)	С	Sample Result (SR)	C	Spike Added (SA)	%R	Q	М
Iron	75-125	7004.9713	_	6068.6727	_	2000.00	46.8	$ \overline{N} $	P
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SEVERN STL NYSDOH 10142

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M-NY049

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## 5A SPIKE SAMPLE RECOVERY

	EPA	SAMPLE	NO
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	I
MW-8BS	

Lab Name: STL	Newburgh		Contract: Co	OOE	PER	MW-8B	s 	
	2 Case No.:		SAS No.:		sı	G No.:		
Matrix (soil/w					Level (low	/med): }	LO	W
% Solids for S								
Conce	ntration Units (	ıg/L o	r mg/Kg dry we	eig —⊤	ght): ug/L		1	1
Li	trol mit Spiked Samp %R Result (SS	ole SR) C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	M
<u>Iron</u> <u>75-</u>	125 4598.60	001	3887.7793	_	2000.00	35,5	N	P
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## 5A SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: S	STL Newb	ırgh		Contract: _			MW-7S		
_		Case No.:		SAS No.:		_ SI	DG No.:		
Matrix (soi						Level (lo	w/med):	LO	<u>M</u>
₹ Solids fo	or Sample	e:							
Co	oncentrat	tion Units	(ug/L c	or mg/Kg dry w	ei	ght): <u>ug/L</u>	<b>.</b>		
Analyte	Control Limit %R	Spiked Sat Result (	mple SSR) C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	М
Mercury	75-125	1.:	1000	0.2000	$\overline{\underline{u}}$	1.00	110.0	-	CV
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SEVERN STL NYSDOH 10142

STL NewEO Falls a Wart of SeveTA rent Laboratories, Inc.

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## 5A

EDY	SAMPLE	NO
	מבת זב דו ה	TAO

SPIKE SAMPLE RECOVERY	, <del></del> ,
Lab Name: STL Newburgh Contract:	MW-8BS
Lab Code: 10142	SDG No.:
Matrix (soil/water): Water Level	(low/med): LOW
% Solids for Sample:	
Lab Name: STL Newburgh Contract:  Lab Code: 10142	
Limit Spiked Sample Sample Spi	

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	М
Mercury	75-125	1.1000	_	0.2000	Ū	1.00	110.0	_	CV
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			-						

Comments:			

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T LMQ Awburch 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## 5A SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO
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ZZZZZMS	a

1 21	GEET Newby	an er b		Contract: C	00:	PER	2777	<u> M</u> S	S
ab Name:									
ab Code:	10142	Case No.:		SAS No.:		_ SI	G No.:		
atrix (so	il/water)	: Water				Level (low	/med):	<u> ГО</u>	W
Solids f	or Sample	<b>:</b>							
d	oncentrat	ion Units (ug/l	ت (	or mg/Kg dry w	ei	ght): <u>ug/L</u>	-		
Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	м
Cyanide	75-125	94.0000	_	10.0000	<u> </u>	100.00	94.0	-  -	P
		·	-		-			-	_
			_		_			_	
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omments:									
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SEVERN STL NYSDOH 10142

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CTDOHS PH-0554

PA 68-378

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## 5A SPIKE SAMPLE RECOVERY

ED 7	SAMPLE	NO

ab Name:	STL Newb	ırgh		Contract: C	00	PER	MW-7S		
		Case No.:		SAS No.:			G No.:		
atrix (so Solids f						Level (low	//med): )	<u> </u>	W
С	oncentrat	ion Units (ug/L		or mg/Kg dry w	ei —	ght): ug/L	-	_	T
Analyte	Control Limit %R	Spiked Sample	c	Sample Result (SR)	C	Spike Added (SA)	%R	Q	м
Cyanide	75-125	93.0000	_	10.0000	<u>ש</u>	100.00	93.0	_	P
			_		-  -			_	_
			_  _		_			_	_
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omments:				······································					
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SEVERN STL NYSDOH 10142

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## 5A SPIKE SAMPLE RECOVERY

カラ ス	SAMPLE	ATA.
CPA	SAMPLE	INC).

Lab Name:	STL Newb	urgh		Contract: C	:00	PER	MW-8B	s	
Lab Code:	10142	Case No.:		sas No.:		_ s:	DG No.:		
Matrix (so						Level (lo	w/med):	<u> </u>	<u>W</u>
% Solids f	•	e: tion Units (ug/	L	or mg/Kg dry w	ei	ght): ug/L	_		
Analyte	Control Limit %R		C	Sample Result (SR)	С	Spike Added (SA)	%R	Q	M
Cyanide	75-125	89.0000	  -	10.0000	<u> </u>	100.00	89.0	<u>-</u>	P
			<u> </u> _		-  -			_	_
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Comments:	1	f	_ (		· 1				<b>'</b>
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EPA NY049

Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## 5B POST SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO
	~~~~	

	MW-7	
- 1		ŀ

Lab	Name:	Severn	Trent	Laboratories	

Contract: COOPER

Lab Code: 10142 Case No.: \_\_\_\_

SAS No.: \_

SDG No.:

Matrix (soil/water): Water

Level (low/med): LOW

## Concentration Units:ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) (	С	Sample Result (SR)	C -	Spike Added (SA)	%R	Q	M
Aluminum Calcium Iron Lead Magnesium		13603.56	_   - _   - _   -	6070		<u></u>	_126.0	_ _ _ _ _	RRP RRR
Selenium			_   - _   - _   -						
			-   -   -						
			-   - -   - -   -		1 1 1 1			- - - -	
			-   -   -		   			  	

Comments:			

PA 68-378

## 5B POST SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO
$\neg$ r $\alpha$	OLD STATE	110

MW-8B
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Lab Name: Severn Trent Laboratories

Contract: COOPER

Lab Code: 10142 Case No.:

SAS No.: \_\_\_\_

SDG No.:

Matrix (soil/water): Water

Level (low/med): LOW

## Concentration Units:ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR)	C	Spike Added (SA)	%R 	Q —	М
Aluminum Calcium Iron Lead Magnesium	50-150	27.31	7.8	- 5	20.0	97.0	1 1 1	NR NR P R
3elenium				-   -   -				<u>NR</u>
				-   -   -			1 1 1 1	
				- - -				
				- - - - -			_  	

Comments:	

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PA 68-378

## 5B POST SPIKE SAMPLE RECOVERY

EPA	SAMPLE	NO

MW-8B	
	- 1

Lab	Name:	Severn	Trent	La.	bora	tori	<u>.es</u>

Contract: COOPER

Lab Code: 10142 Case No.:

SAS No.: \_\_\_\_

SDG No.: \_

Matrix (soil/water): Water

Level (low/med): LOW

## Concentration Units:ug/L

							[
Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q —	
Aluminum Calcium Iron Magnesium Selenium	50-150	23.88	30. Pi	20.0	15.4	  	NR NR NR NR P
Selentum						_	
						- - - -	
						_	

Comments:	
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FORM V - IN

STL Newburgh 315 FJ/M 6 4ven@ Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### CONTROL RESULTS QUALITY

Job Number.: 237960

Report Date.: 07/22/2004

CUSTOMER: InteGreyted International, LLC

PROJECT: COOPER 0310025P

ATTN: Mark Schumacher

Test Mathod Mathod Descri Parameter	ption. Phen	olics, Total	Recoverable Recoverable		7 1 D			st: jpp Code.: PARNTR	
QC Lab ID	Reagent	QC Result	Q QC Result	True Value	Orig, Value	Calc. Result *	Limits	P Date	Time
ICB		0			· ·			07/14/2004	
LCS	WO4PHELCS1	0.036		0.041		87.8	81-109	07/14/2004	
MB	(15 12 12 12 12 12 12 12 12 12 12 12 12 12	0						07/14/2004	
CCV	WO2PHECCV1	0.051		0.050		102.0	91-111	07/14/2004	
CCB	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0						07/14/2004	
MD 237960-13		0			0	0.0	15-15	07/14/2004	
MS 237960-13	WO2PHESPK1	0.029		0.030	0	96.7	55-143	07/14/2004	
CCA	W02PHECCV1	0.049		0.050		98.0	91-111	07/14/2004	
CCB		0						07/14/2004	
MD 237960-15		0			0	0.0	15-15	07/14/2004	
MS 237960-15	W02PHESPK1	0.027		0.030	0	90.0	55-143	07/14/2004	
ICV	W02PHEICV1	0.051		0.050		102.0	91-111	07/14/2004	
CCA	W02PHECCV1	0.050		0.050		100.0	91-111	07/14/2004	
CCB	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0						07/14/2004	
CCB		Ö						07/14/2004	
LCS	WO4PHELCS1	0.037		0.041		90.2	81-109	07/14/2004	
737984-2		0			0	0.0	15-15	07/14/2004	
37984-2	W02PHESPK1	0.032		0.030	0	106.7	55-143	07/14/2004	
ccv	W02PHECCV1	0.050		0.050		100.0	91-111	07/14/2004	
CCB		Ð						07/14/2004	
CCA	W02PHECCV1	0.050		0.050		100.0	91-111	07/14/2004	
CCB		0						07/14/2004	
CCV	W02PHECCV1	0.049		0.050		98.0	91-111	07/14/2004	
CCB		0						07/14/2004	
CCV	W02PHECCV1	0.050		0.050		100.0	91-111	07/14/2004	0251

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315 Fullerton Avenue
Newburgh, NY 12550
3015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049 Fax (845) 562-0890
Fax (845) 562-0841



# VOLATILE METHOD BLANK SUMMARY

PA	SA	MI	-L	ב וי	10

Lab Name:	STL Newburgl	า	Contract:	VBLK099
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237960
Lab File ID:	X8045.D		Lab Sam	ple ID: VBLK099
Date Analyze	ed: 7/12/2004	<del></del>	Time Ana	alyzed: 20:41
GC Column:	DB-624	ID: <u>0.25</u> (m	m) Heated F	Purge: (Y/N) N
Instrument ID	D: MS3		•	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 MW-4A	237960-001	X8046.D	21:14
02 MW-4B	237960-002	X8047.D	21:46
03 MW-7	237960-013	X8048.D	22:18
04 MW-3N	237960-014	X8049.D	22:51
05 MW-8B	237960-015	X8050.D	23:23
06 MW-8A	237960-016	X8051.D	23:56

COMMENTS:

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NJDEP 73015

## 1A

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

	SAMP		$\mathbf{A} \mathbf{I} \mathbf{A}$
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Lab Name:	STL Ne	wburgh		Contract:	VBLK099	
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 237960	)
Matrix: (soil/	water)	WATER	·	Lab Sample II	D: VBLK099	
Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	X8045.D	
Level: (low/r	ned)	LOW	_	Date Receive	d:	
% Moisture:	not dec.			Date Analyze	i: <u>7/12/2004</u>	
GÇ Column:	DB-624	ID: 0.	25 (mm)	Dilution Facto	r: <u>1.0</u>	
Soll Extract Volume:		: (uL)		Soll Aliquot Vo	olume:	(uL)
				Units: (ug/L or	ug/Kg) UG/L	-
				·		

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10.
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane	<u> </u>	U	10
110-75-8	2-Chloroethylvinylether		U·	10
10061-02-6	trans-1,3-Dichloropropene	,	U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34 <b>-</b> 5	1,1,2,2-Tetrachioroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene	·	U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
540-59-0	Total-1,2-Dichoroethene		U	10
1330-20-7	Xylenes, total		U	10

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3/90 M-NY049

## 1E

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
VBLK099	

Lab Name:	STL Ne	wburgh		Contrac	ot:	VBLROOD	
Lab Code:	10142	Ca	se No.:	SAS	No.:	SDG No.: <u>2</u> 379	960
Matrix: (soll/	water)	WATER	-	İ	Lab Sample	ID: VBLK099	
Sample wt/ve	ol:	5.0	(g/ml) ML		Lab File ID:	X8045.D	
Level: (low/r		LOW	_	1	Date Receiv	/ed:	
% Moisture:	not dec.			1	Date Analyz	red: 7/12/2004	
GC Column:	DB-624	ID: 0.	25 (mm)	!	Dilution Fac	tor: <u>1.0</u>	
Soil Extract \	Volume:		_ (uL)	;	Soil Aliquot	Volume:	(uL)
				CONCENTR		•	
Number TIC:	s found:	0	_	(agre or agri	.g, <u>50</u> ,		. =
CAS NO.		COMPOL	IND NAME		RT	EST. CONC.	Q

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## VOLATILE METHOD BLANK SUMMARY

<b>EPA</b>	SAMPL	E NO.
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VBLK013	

Lab Name:	STL Newburgh	1	Contract:	VBLNOTO
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237960
Lab File ID:	X8053.D		Lab Samp	le ID: VBLK013
Date Analyze	ed: 7/13/2004	_	Time Anal	yzed: 13:20
GC Column:	DB-624	ID: 0.25 (mm)	Heated P	urge: (Y/N) N
Instrument I	D: MS3			

## THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 MW-2N	237960-017	X8054.D	14:02
02 FB	237960-018	X8055.D	14:34
03 MW-11A	237960-019	X8056.D	15:07
04 MW-11B	237960-020	X8057.D	15:39
05 MW-12	237960-023	X8058.D	16:13
06 MW-1N	237960-003	X8059.D	16:46
07 MW-9A	237960-004	X8060.D	17:38
08 MW-9B	237960-005	X8061.D	18:10
09 MW-5	237960-006	X8062.D	18:43
10 VBSPK10	VBSPK10	X8063.D	19:15

COMMENTS:

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PA 68-378

EPA SAMPLE N	۷O,
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			IA .	•	- L	3/7(VI)	_ 140.	
t et Names		VOLATILE ORGANIC			VBLK	(013		
Lab Name:	SILINE	ewburgh	Cormaca					
Lab Code:	10142	Case No.:	SAS No:	: s	DG No.:	23796	50	
Matrix: (soil/	water)	WATER	Lab	Sample ID:	VBLK0	13		
Sample wt/v	ol:	5.0 (g/ml) <u>f</u>	/L Lab	File ID:	X8053.I	<u> </u>	_	
Level: (low/r	med)	LOW	Date	e Received:		······································		
		<u>.</u>	Date	a Analyzed:	7/13/20	04	_	
		ID: 0.25 (mm	n) Dillu	tion Factor:	1.0		_	
		(uL)		Aliquot Volu	me:		_ (uL)	
		<del></del>	Unit	s: (ug/L or u	g/Kg) <u>U</u> (	G/L		
CAS NO.		COMPOUND		RESU	LT	Q		RL
74-87-3		Chloromethane				U		10
74-83-9		Bromomethane				U_		10
75-01-4		Vinyl Chloride				U		10
75-00-3		Chloroethane				U		10
75-09-2		Methylene Chloride				U		10
67-64-1		Acetone				U		10
75-15-0		Carbon Disulfide				U		10
75-35-4		1,1-Dichloroethene				U		10
75-34-4		1,1-Dichloroethane				U		10
67-66-3		Chloroform				U		10
107-06-2		1,2-Dichloroethane				U		10
78-93-3						U		10
108-05-4		Vinyl Acetate			<del></del>	U		10
71-55-6		1,1,1-Trichloroethan				U		10
56-23-5		Carbon Tetrachloride				U		10
75-27-4		Bromodichlorometha			<del></del>	U		<u>10</u> 10
78-87-5		1,2-Dichloropropane				U		10
10061-01-5	5	cis-1,3-Dichloroprope	ene			U		10
70 04 0	- 1	Trichloroothone			1	U l		10

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79-01-6

71-43-2

124-48-1

79-00-5

75-25-2

.108-10-1

591-78-6

127-18-4

79-34-5

108-88-3

108-90-7

100-41-4

100-42-5

541-73-1

106-46-7

95-50-<u>1</u>

1330-20-7

540-59-0

110-75-8

10061-02-6

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Trichloroethene

Dibromochioromethane

2-Chloroethylvinylether

1,1,2-Trichloroethane

4-Methyl-2-Pentanone

1,1,2,2-Tetrachloroethane

Tetrachioroethene

Chlorobenzene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

Total-1,2-Dichoroethene

NJDEP 73015

Ethylbenzene

Xylenes, total

trans-1,3-Dichloropropene

Benzene

Bromoform

2-Hexanone

Toluene

Styrene\_

## 1E

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

:PA	PHIMIL	LE	INO

Lab Name:	STL Ne	wburgh		Contrac	ot:		VDL		
Lab Code:	10142		se No.:	SAS	No.:	_ SI	OG No.:	2379	60
Matrix: (soil/v	vater)	WATER			Lab Sample	ID:	VBLK01	3	
Sample wt/vo		5.0	(g/ml) ML		Lab File ID:		X8053.D	)	_
Level: (low/n		LOW			Date Receive	ed:			_
% Moisture: r	-				Date Analyze	ed:	7/13/200	)4	
GC Column:		ID: 0.2	25 (mm)		Dilution Fact	or:	1.0		
Soil Extract V			(uL)	:	Soil Aliquot \	/olur	me:		(uL)
•				CONCENTR					
Number TICs	found:	0		(agre of agri	·9/ <u></u>				
CAS NO.		COMPOU	ND NAME		RT	ES'	T. CONC	). <u> </u>	Q

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M-NY049

# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK014

Lab Name:	STL Newburgh	1	c	Contract:		
Lab Code:	10142	Case No.:		SAS No.:	SDG No.	237960
Lab File ID:	X8077.D	<del></del> -		Lab Sample II	: VBLKO	14
	ed: 7/14/2004	<del></del>		Time Analyze	d: <u>11:08</u>	<del></del>
GC Column:	-	ID: 0.25	(mm)	Heated Purge	∋: (Y/N)	<u>N</u>
Instrument II	D. MS3					

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA	LAB	LAB	TIME
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01 MW-10	237960-007	X8078.D	11:52
02 MW-6B	237960-009	X8079.D	12:25
03 W-1S	237960-010	X8080.D	12:57
04 VBSPK014	VBSPK014	X8081.D	13:30
05 MW-8BMS	237960-015MS	X8082.D	14:03
06 MW-8BMSD	237960-015MSD	X8083.D	14:35
07 MW-13	237960-011	X8084.D	15:23
08 W-2S	237960-012	X8085.D	15:56
09 MW-1NDL	237960-003DL	X8086.D	16:29
10 MW-7MS	237960-013MS	X8087.D	17:01
11 MW-7MSD	237960-013MSD	X8088.D	17:34

COMMENTS:		
	•	

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.
----------------

VBLK014

Lab Name:         STL Newburgh         Contract:           Lab Code:         10142         Case No.:         SAS No.:         SDG No.:         237960           Matrix:         (soll/water)         WATER         Lab Sample ID:         VBLK014	
Matrix: (soil/water) WATER Lab Sample ID: VBLK014	
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: X8077.D	
Level: (low/med) LOW Date Received:	
% Moisture: not dec.  Date Analyzed: 7/14/2004	
GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0	
Units: (ug/L or ug/Kg) UG/L	
CAS NO. COMPOUND RESULT Q	RL
74-87-3 Chloromethane U	10
74-83-9 Bromomethane U	10
75-01-4 Viryl Chloride	10
75-00-3 Chloroentarie	<u>10</u> 10
75-09-2 Wetriylerie Critoride	10
67-64-1 Acetone	10
75-15-0 Carbon Distince	10
75-35-4 1,1-Didilorderiene	10
75-34-4 1, 1-Diction octions	10
67-66-3 CHIOTOTH	10
107-00-2 1,2-Digitiol Guilante	10
78-93-3 Z-Butarione	10
108-05-4 VIIIyi Acetate	10
71-33-0 1,1,1-111ctitoroctitatio	10
56-23-5 Calbott Tetrachioride	10 .
75-21-4 Biotitodicinotometrano	10
(76-67-5) (,2-Dichici opropario	10
10061-01-5 Cis-1,3-Dictriol optoberre	10
79-01-0   110/10/10/04/16/10	10
71-43-2 Delizatio	10
124-48-1 Diplomocritorimana	10
110-73-8 Z-Officioentylvinylothol	10
	10
79-00-5 1,1,2-1101107004/dilb	10
75-25-2 Bromoform U 108-10-1 4-Methyl-2-Pentanone U	10
591-78-6 2-Hexanone U	10
127-18-4 Tetrachloroethene U	10
79-34-5 1,1,2,2-Tetrachloroethane U	10
108-88-3 Toluene U	10
108-90-7 Chlorobenzene U	10
100-41-4 Ethylbenzene U	10
100-42-5 Styrene U	10
541-73-1 1.3-Dichlorobenzene U	· 10
106-46-7 1.4-Dichlorobenzene U	10
95-50-1 1.2-Dichlorobenzene	10
540-59-0 Total-1.2-Dichoroethene	10
1330-20-7 Xylenes, total U	10

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## 1E

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
VBI K014	

Lab Name:	STL Ne	wburgh	Contrac	xt:		
Lab Code:	10142	Case No.:	SAS	No.:	_ SDG No.: <u>237</u>	960
Matrix: (soil/v	vater)	WATER	!	Lab Sample	ID: VBLK014	
Sample wt/vo	ol:	5.0 (g/ml) ML		Lab File ID:	X8077.D	
Level: (low/n	ned)	LOW		Date Receive	ed:	
% Moisture: r	not dec.			Date Analyze	d: <u>7/14/2004</u>	·
GC Column:	DB-624	ID: <u>0.25</u> (mm)	i	Dilution Facto	or: <u>1.0</u>	<del></del>
Soll Extract V	/olume:	(uL)	;	Soil Aliquot V	olume:	(uL)
•			CONCENTR			
Number TICs	found:		(ug/L or ug/K	.g) <u>UG/L</u>		·-
CAS NO.		COMPOUND NAME		RT	EST. CONC.	Q

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## VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
VDI KO15

Lab Name:	STL Newburgh	1		Contract:	\	3LK015 	
Lab Code:	10142	Case No.:		SAS No.:	_ SDG N	OG No.: 237960	
Lab File ID:	X8092.D			Lab Sample	ID: VBL	K015	
Date Analyze	ed: 7/15/2004			Time Analyz	ed: <u>12:1</u>	8	
GC Column:	DB-624	ID: <u>0.25</u>	(mm)	Heated Purg	ge: (Y/N)	<u>N</u>	
Instrument IC	o: MS3		÷				

## THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01 W-3S	237960-021	X8099.D	16:56
02 TRIP BLANK	237960-022	X8100.D	17:40
03 VBSPK015	VBSPK015	X8101.D	18:12
04 MW-6A	237960-008	X8103.D	19:37

COMMENTS:

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#### 1A

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EΡΔ	SAMP	LE NO
ᆮᇊᄶ	OMINIT	

	- m: 11	1 - 1	Contract	VBLK015	
Lab Name:	SILNE				<del></del>
Lab Code:	10142	Case No.:	_ SAS No.: SD	G No.: 2379	30
Matrix: (soil/v	vater)	WATER	Lab Sample ID: \	/BLK015	
Sample wt/vo	ol:	5.0 (g/ml) ML	Lab File ID:	(8092.D	
Level: (low/n		<del></del>	Date Received:		<u>.</u>
% Moisture: r			Date Analyzed: 7	/15/2004	
GC Column:	DB-624	ID: 0.25 (mm)	Dilution Factor: 1	.0	
			Soil Aliquot Volum		 (uL)
SOII EXITACL V	olume.	(uL)	·	<u></u> .	
,			Units: (ug/L or ug/	Ng) UG/L	
CAS NO.		COMPOUND	RESULT	r Q	RL
74-87-3		Chloromethane		U	10
74-83-9		Bromomethane		U	10
75-01-4		Vinyl Chloride		U	10
75-00-3		Chloroethane		U	10
75-09-2		Methylene Chloride		U	10
67-64-1	j	Acetone		U	10
75-15-0		Carbon Disulfide		U	10 10
75-35-4		1,1-Dichloroethene		U	10
75-34-4		1,1-Dichloroethane		U	10
67-66-3		Chloroform			
107-06-2		1,2-Dichloroethane		U	10
78-93-3		2-Butanone		U	10
108-05-4		Vinyl Acetate		U	10
71-55-6		1,1,1-Trichloroethane		U	10 10
56-23-5		Carbon Tetrachloride		- 11	40
75-27-4		Bromodichloromethane	·	U	10
78-87-5		1,2-Dichloropropane		U	10
10061-01-5		cis-1,3-Dichloropropene		Ü	10
79-01-6		Trichloroethene		U	10
71-43-2		Benzene		- U	10
124-48-1		Dibromochloromethane		U	. 10
110-75-8		2-Chloroethylvinylether		U	10
10061-02-6		trans-1,3-Dichloropropene		U	10
<u>79-00-5</u>		1,1,2-Trichloroethane	<u> </u>	U	10
7 <u>5-2</u> 5-2		Bromoform		Ü	10
108-10-1		4-Methyl-2-Pentanone		Ü	10
<u>591-78-6</u>		2-Hexanone		U	10
127-18-4		Tetrachloroethene		Ŭ	10
79-34-5		1,1,2,2-Tetrachloroethane		Ü	10
108-88-3		Toluene Chlorobenzene		Ū	10
108-90-7				Ŭ	10
100-41-4		Ethylbenzene	<del></del>	Ŭ	10
100-42-5		Styrene 1,3-Dichlorobenzene		Ü	10
541-73-1				Ü	10
106-46-7		1,4-Dichlorobenzene		Ü	10
95-50-1		1;2-Dichlorobenzene		U	10
1330-20-7		Xylenes, total Total-1,2-Dichoroethene	-	U	10
540-59-0		TOTAL 1-2-DICTION DELITERE			

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3/00 M-NY049

## 1E

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
VBLK015	

Lab Name:	STL Ne	wburgh	Contra	ct:		
Lab Code:	10142	Case No.:	SAS	No.:	_ SDG No.: <u>237</u>	960
Matrix: (soil/w	vater)	WATER		Lab Sample	ID: VBLK015	<del></del>
Sample wt/vo	ol;	5.0 (g/ml)	ML	Lab File ID:	X8092.D	
Level: (low/m	ned)	LOW		Date Receiv	ed:	
% Moisture: r	not dec.			Date Analyze	ed: 7/15/2004	
GC Column:	DB-624	ID: 0.25 (m	m)	Dilution Fact	or: <u>1.0</u>	
Soil Extract Volume		(uL)		Soil Aliquot	/olume:	(uL)
			CONCENT	RATION UNI	TS:	
Number TICs	found:		(ug/L or ug/ł	(g) <u>UG/</u>		
CAS NO.		COMPOUND NAM	ΛE	RT	EST. CONC.	Q

#### 4B

## SEMIVOLATILE METHOD BLANK SUMMARY

EPA	SAMPLE	NO.

Lab Name:	STL Ne	ewburgh	Contract:	SBLK33
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237960
Lab File ID:	\$30	341.D	Lab Sam	ple ID: SBLK33
Instrument II	 D:	5972-2	Date Extr	acted: 7/6/2004
Matrix: (soil/	water)	WATER	Date Ana	lyzed: 7/8/2004
Level (low/r	med)	LOW	Time Ana	alyzed: 14:51

## THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA	LAB	LAB	DATE
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01 SBSPK33	SBSPK33	S30342.D	7/8/2004
02 ZZZZZZ33MS	ZZZZZZ33MS	S30345.D	7/8/2004
03 ZZZZZZ33MSD	ZZZZZZ33MSD	S30346.D	7/8/2004
04 MW-4A	237960-001	S30349.D	7/8/2004
05 MW-4B	237960-002	S30350.D	7/8/2004
06 MW-1N	237960-003	S30351.D	7/8/2004
07 MW-9A	237960-004	S30352.D	7/8/2004
08 MW-9B	237960-005	S30353.D	7/8/2004
09 MW-5	237960-006	S30354.D	7/8/2004
10 MW-10	237960-007	S30355.D	7/8/2004
TUIMW-TU	201000-001		

COMMENTS:

Level: (low/med)

LOW

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1B

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK33	
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		Contract:	BLK33	
Lab Name: STL N	01124.8			
Lab Code: 10142	Case No.:	SAS No.: SDG N	io.: <u>2379</u>	<u> 960                                   </u>
Matrix: (soll/water)		Lab Sample ID: SBL		
	1000.0 (g/ml) ML	Lab File ID: S303	341.D	
Level: (low/med)	<del></del>	Date Received:		
	decanted:(Y/N) N			
	et Volume: 1000 (uL)	Date Analyzed: 7/8/2		_
	<del></del>	Dilution Factor: 1.0		
Injection Volume:	<del></del>			
GPC Cleanup: (Y/N)	<u>N</u> pH:	Units: (ug/L or ug/Kg)	UG/L	<del></del>
CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U_	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U	10
541-73-1	1,3-Dichlorobenzene		U_	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		כ	10
95-48-7	2-Methylphenol	1	U	10
67-72-1	Hexachloroethane		U	10
621-64-7	N-Nitroso-di-n-propylamine		Ú	10
106-44-5	4-Methylphenol	1	U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		<u>U</u>	10
88-75-5	2-Nitrophenol		U	: 10 <sup>·</sup>
105-67-9	2,4-Dimethylphenol		<u> </u>	10
111-91-1	bis(2-Chloroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		·U	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chloroaniline		U	10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		<u> </u>	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		<u> </u>	10
88-06 <b>-</b> 2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	50
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline	, , , , , , , , , , , , , , , , , , ,	<u>U</u>	25
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		<u> </u>	10
606 20 2	2.6 Dinitrotoluene	1	U	10

2,4-Dinitrotoluene STL Newburgh is a part of Severn Trent Laboratories, Inc.



606-20-2

83-32-9

99-09-2

51-28-5

132-64-9

121-14-2

10

25

25

10

10

3/90<sub>1Y049</sub>

U

U

U

U

U

PA 68-378

2,6-Dinitrotoluene

2,4-Dinitrophenol

Acenaphthene

3-Nitroaniline

Dibenzofuran

## 1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO.
-----	-------	-------

Lab Name:	STL Ne	wburgh		C	Contract:	ODLNOS
Lab Code:	10142		ase No.:		SAS No.:	SDG No.: 237960
Matrix: (soll/v	vater)	WATER	_		Lab Sample	oID: SBLK33
Sample wt/vo	ol:	1000.0	_ (g/ml) <u>M</u> L	•	Lab File ID:	S30341.D
Level: (low/m	ned)	LOW	_		Date Receiv	ved:
% Moisture:		de	canted:(Y/N)	<u> N</u>	Date Extrac	ted: 7/6/2004
Concentrated	I Extract	Volume:	1000 (uL	)	Date Analyz	zed: 7/8/2004
Injection Volu	me: 2	.0 (uL)			Dilution Fac	tor: 1.0
GPC Cleanup	o: (Y/N)	N	pH:		Units: (ug/L	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	25
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		<u> </u>	25
534-52-1	4,6-Dinitro-2-methylphenol		U	25
86-30-6	n-Nitrosodiphenylamine (1)		<u> </u>	10
101-55-3	4-Bromophenyl-phenylether		U_	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		. U	25
85-01-8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		U	. 10
85-68-7	Butylbenzylphthalate		<u> </u>	10
91-94-1	3,3'-Dichlorobenzidine		U	· 10
56-55-3	Benzo(a)anthracene		U	10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate	3	J	10
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		Ü	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		U	10



PA 68-378

## 1F

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

SBLK33	

EST. CONC.

3

6

RT

17.10

24.24

Q

EPA SAMPLE NO.

Lab Name:	STL Newburgh			Contra	act:	
Lab Code:	10142	Ca	se No.:	SAS	3 No.:	SDG No.: 237960
Matrix: (soil/w	rater)	WATER	_		Lab Sample ID	: SBLK33
Sample wt/vo	<b>l</b> :	1000.0	(g/ml) ML		Lab File ID:	S30341.D
Level: (low/m	ned)	LOW	_		Date Received	·
% Moisture:	·	dec	anted: (Y/N)	_N	Date Extracted	: 7/6/2004
Concentrated	Extract \	—∙ Volume: _	1000 (uL)		Date Analyzed	7/8/2004
Injection Volu	me: 2.0	) (uL)			Dilution Factor	: 1.0
GPC Cleanur	o: (Y/N)	<u>N</u>	pH:			
			•	CONC	ENTRATION UN	NITS:
Number TICs	found:	2		(ug/L o	r ug/Kg) UC	3/L

COMPOUND NAME

Unknown CnH2n

Unknown

CAS NUMBER

## 4B

## SEMIVOLATILE METHOD BLANK SUMMARY

EPA	SAMPL	E.	NO.

Lab Name: STL No		wburgh	Contract:	SBLK34
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237960
Lab File ID:	S30	343.D	Lab Sample I	D: SBLK34
Instrument II	D:	5972-2	Date Extracte	ed: <u>7/7/2004</u>
Matrix: (soil/	water)	WATER	Date Analyze	d: <u>7/8/2004</u>
Level: (low/r	ned)	LOW	Time Analyze	ed: 16:02

## THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA	LAB	LAB	DATE
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01 SBSPK34	SBSPK34	S30344.D	7/8/2004
02 MW-6B	237960-009	S30356.D	7/8/2004
03 W-2S	237960-012	S30357.D .	7/8/2004
03 W-23 04 W-1S	237960-010	S30358.D	7/8/2004
04 W-13 05 MW-7MS	237960-013MS	S30397.D	7/13/2004
06 MW-7MSD	237960-013MSD	S30398.D	7/13/2004
07 MW-6A	237960-008	S30421.D	7/15/2004
08 MW-6ARE	237960-008RE	S30422.D	7/15/2004

COMMENTS:

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK34
--------

Lab Name:	STL Ne	wburgh		c	Contract:	
Lab Code:	10142	Ca	ıse No.:	<del>.</del> _	SAS No.: S	DG No.: <u>237960</u>
Matrix: (soil/w	vater)	WATER			Lab Sample ID:	SBLK34
Sample wt/vo	i:	1000.0	(g/ml) ML		Lab File ID:	S30343.D
Level: (low/m	ned)	LOW	<u> </u>		Date Received:	
% Moisture:	<del>1</del>	de	canted:(Y/N)	N	Date Extracted:	7/7/2004
Concentrated	Extract \	Volume:	1000 (uL)		Date Analyzed:	7/8/2004
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	: (Y/N)	<u>N</u>	pH:		Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether	,	U	10
108-95-2	Phenol		U	10
95-57-8	2-Chiorophenol		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chioropropane)		Ų	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		Ü	10
621-64-7	N-Nitroso-di-n-propylamine		U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		U	10
88-75-5	2-Nitrophenol		Ü	10
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		Ü	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		U	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chloroaniline		U	10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene		υ	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	50
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline		U	25
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene		U	10
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	25
51-28 <b>-</b> 5	2,4-Dinitrophenol		U	25
132-64-9	Dibenzofuran	· · · · · · · · · · · · · · · · · · ·	U	10
121-14-2	2,4-Dinitrotoluene		U	10

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/90 M-NY049

## 1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAM	PLE	NO.
-----	-----	-----	-----

Lab Name:	STL Ne	wburgh		Contract:	3BLN34
Lab Code:	10142	Ca	ase No.:	SAS No.:	SDG No.: <u>237960</u>
Matrix: (soil/v	vater)	WATER		Lab Sample	ID: SBLK34
Sample wt/vo	ol:	1000.0	(g/ml) ML	Lab File ID:	S30343.D
Level: (low/n	ned)	LOW		Date Receiv	/ed:
% Moisture:		de	canted:(Y/N)	N Date Extrac	ted: 7/7/2004
Concentrated	Extract	Volume:	1000 (uL)	Date Analyz	ed: 7/8/2004
Injection Volu	ıme: 2	.0_ (uL)		Dilution Fac	tor: 1.0
GPC Cleanup	o: (Y/N)	N	pH:	Units: (ug/L	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	25
86-73-7	Fluorene	•	U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	25
534-52-1	4,6-Dinitro-2-methylphenol		U	25
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		. U	25
85-01-8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		U	<u>10</u>
129-00-0	Pyrene			10
85-68-7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		<u>U</u>	10
56-55-3	Benzo(a)anthracene		U	10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate	2	J	10
117-84-0	Di-n-octylphthalate		U ·	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		U	10

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## 1F

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

ı	EPA SAMPLE I	NO.
ſ	SBLK34	

Lab Name:	STL Ne	ewburgh	Contrac	ot:	[	BLIX04	
Lab Code:	10142	Case No.:	SAS	No.:	SDG	No.: <u>237</u>	960
Matrix: (soil/	water)	WATER		Lab Sample	ID: SBI	_K34	
Sample wt/ve	ol:	1000.0 (g/ml) ML		Lab File ID:	<u>830</u>	)343.D	
Level: (low/r	ned)	LOW		Date Receive	ed:	<del></del> ——–	
% Moisture:		decanted: (Y/N)	N	Date Extract	ed: <u>7/7/</u>	2004	<del></del>
Concentrate	d Extract	Volume: 1000 (uL)		Date Analyze	ed: <u>7/8/</u>	/2004	
Injection Volu	ume: 2.	.0 (uL)		Dilution Fact	or: <u>1.0</u>	··-	
GPC Cleanu	p: (Y/N)	NpH:					
			CONCE	NTRATION (	JNITS:		
Number TICs	s found:	. 0	(ug/L or	ug/Kg) <u>l</u>	JG/L		
CAS NUME	BER	COMPOUND NAME		RT	EST. C	ONC.	Q

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#### 4B

# SEMIVOLATILE METHOD BLANK SUMMARY

<b>EPA</b>	SAMPL	E NO
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	SBLK37
_	

Lab Name:	STL No	wburgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237960
Lab File ID:	S30	383.D	Lab Sample I	D: SBLK37
Instrument II	 D:	5972-2	Date Extracte	d: 7/8/2004
Matrix: (soil/		WATER	Date Analyze	d: 7/12/2004
Level: (low/r	•	LOW	Time Analyze	d: <u>17:50</u>

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA	LAB	LAB	DATE
SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01 SBSPK37	SBSPK37	S30384.D	7/12/2004
02 MW-13	237960-011	S30386.D	7/12/2004
03 MW-7	237960-013	S30387.D	7/12/2004
04 MW-3N	237960-014	S30388.D	7/12/2004
05 MW-8B	237960-015	S30389.D	7/12/2004
06 MW-8A	237960-016	S30390.D	7/12/2004
07 MW-2N	237960-017	S30391.D	7/12/2004
08 FB	237960-018	S30392.D	7/12/2004
09 MW-11A	237960-019	S30393.D	7/12/2004
10 MW-11B	237960-020	S30394.D	7/13/2004
	237960-021	S30395.D	7/13/2004
11 W-3S 12 MW-12	237960-023	S30396.D	7/13/2004

COMMENTS:	

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#### 1B

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N
--------------

Lab Name:	STL Newburgh  10142 Case No.:		Cont	ract:	SBLK37
Lab Code:			SA	\S No.:	SDG No.: 237960
Matrix: (soil/\	water)	WATER		Lab Sample ID:	SBLK37
Sample wt/vo	ol:	1000.0 (g/ml) ML		Lab File ID:	S30383.D
Level: (low/r	ned)	LOW		Date Received:	
% Moisture:		decanted:(Y/N)	N	Date Extracted:	7/8/2004
Concentrated	d Extract	Volume: 1000 (uL)		Date Analyzed:	7/12/2004
Injection Volu	ıme: 2	.0 (uL)		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N pH:		Units: (ug/L or u	g/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		Ū	10
621-64-7	N-Nitroso-di-n-propylamine		U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		U	10
88-75-5	2-Nitrophenol		U·	10
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U ·	10
120-83-2	2,4-Dichlorophenol		Ų	10
120-82-1	1,2,4-Trichlorobenzene		U	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chloroaniline		U	10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57 <b>-</b> 6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	50
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline		U	25
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene	·	U	10
83-32 <b>-</b> 9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	25
51-28-5	2,4-Dinitrophenol		U	25
132-64-9	Dibenzofuran		U	10
121-14-2	2,4-Dinitrotoluene		U	10

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PA 68-378

#### 1C

	EPA	SAM	IPLE	NO.
1				

RL

	SE	MIVOLATILI	E ORGANICS AN	IALYSIS DA	ATA SHEET	0	BLK37	
Lab Name:	STL Ne	ewburgh		Contract:		_ [3	DLN31	
Lab Code:	10142	Cas	se No.:	_ SAS No	o.: š	SDG N	No.: 2379	60
Matrix: (soil/	water)	WATER		La	b Sample ID:	SBL	K37	
Sample wt/v		1000.0	(g/ml) ML	La	ib File ID:	S30	383.D	
Level: (low/r		LOW		Da	ate Received:			_
% Moisture:			anted:(Y/N)	N Da	ate Extracted:	7/8/	2004	_ <del>_</del>
Concentrate		<del></del>	000 (uL)	 Da	ate Analyzed:	7/12	2/2004	
Injection Vol				Dil	lution Factor:	1.0		
-		N	pH:	Un	nits: (ug/L or ι	ıg/Kg)	UG/L_	
CAS NO.		COMPOUNI	)		RESU	JLT	Q	
100-02-7		4-Nitrophe	nol				U	
86-73-7		Fluorene			<u> </u>	<del></del>	U	<del></del>
7005-72-3		4-Chloroph	enyl-phenylether	·			U_	<u> </u>
84-66-2		Diethylphth	alate				<u> </u>	
100-01-6		4-Nitroanili					U	
534-52-1		4 6-Dinitro	2-methylphenol				U	

		U	25
100-02-7	4-Nitrophenol	U U	10
86-73-7	Fluorene		10
7005-72-3	4-Chlorophenyl-phenylether	U U	
84-66-2	Diethylphthalate	U	10
100-01-6	4-Nitroaniline	U U	25
534-52-1	4,6-Dinitro-2-methylphenol	U	25_
86-30-6	n-Nitrosodiphenylamine (1)	U	10
101-55-3	4-Bromophenyl-phenylether	U U	10
118-74-1	Hexachlorobenzene	U	10
87-86-5	Pentachlorophenol	U	25
85-01-8	Phenanthrene	U	10
120-12-7	Anthracene	U	10
84-74-2	Di-n-butyiphthalate	U	10
206-44-0	Fluoranthene	U	10
129-00-0	Pyrene	U	10
85-68-7	Butylbenzylphthalate	U	10
91-94-1	3,3'-Dichlorobenzidine	U	10
56-55-3	Benzo(a)anthracene	U	10
218-01-9	Chrysene	U·	10
117-81-7	bis(2-Ethylhexyl)phthalate	U	10
117-84-0	Di-n-octylphthalate	U	10
205-99-2	Benzo(b)fiuoranthene	U	10
207-08-9	Benzo(k)fluoranthene	U	10
50-32-8	Benzo(a)pyrene	U	10
193-39-5	Indeno(1,2,3-cd)pyrene	U	10
62-75-9	n-Nitrosodimethylamine	U	10
53-70-3	Dibenz(a,h)anthracene	U	10
191-24-2	Benzo(g,h,i)perylene	U	10

#### 1F

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	EPA SAMPLE	NO.
		<del></del> .
į	SBLK37	

Lab Name:	STL Ne	wburgh	(	Contrac	ot:		SBLKSI	
Lab Code:	10142	Case No.:		SAS	No.:	_ s	DG No.: <u>23</u>	37960
Matrix: (soil/v	water)	WATER			Lab Sample	iD:	SBLK37	
Sample wt/vo	ol:	1000.0 (g/ml)	ML	1	Lab File ID:		S30383.D	<del></del>
Level: (low/n	ned)	LOW		ļ	Date Recei	∕ed:		<del></del>
% Moisture:		decanted: (Y	/N) <u>N</u>		Date Extrac	ted:	7/8/2004	
Concentrated	d Extract	Volume: 1000	(uL)	ŀ	Date Analyz	ed:	7/12/2004	
Injection Volu	ıme: <u>2.</u>	0 (uL)		ļ	Dilution Fac	tor:	1.0	
GPC Cleanu	p: (Y/N)	NpH:						
			C	ONCE	NTRATION	UNIT	rs:	
Number TICs	s found:	. 0	_ (u	g/L or	ug/Kg)	UG/I		
CAS NUMB	BER	COMPOUND NAM	iE	•	RT	ES	T. CONC.	Q

#### **4B**

### SEMIVOLATILE METHOD BLANK SUMMARY

EPA	SAMF	ŀΕ	NO

Lab Name:	STL N	ewburgh		Contract:		SBLK43
Lab Code:	10142	Ca	ase No.:	SAS No.:	s	DG No.: 237960
Lab File ID:	S30	0440.D	_	Lab Samp	le ID:	SBLK43
Instrument II	); —	5972-2		Date Extra	acted:	7/14/2004
Matrix: (soil/	water)	WATER		Date Analy	yzed:	7/19/2004
Level: (low/r	ned)	LOW	_	Time Anal	yzed:	13:01

# THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA	LAB	LAB	DATE
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED
01	SBSPK43	SBSPK43	S30441.D	7/19/2004
	MW-8ARR	237960-016RR	S30447.D	7/19/2004

COMMENTS:

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M-NY049

NJDEP 73016

#### 18

EPA SAMPLE NO.

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

•
SBLK43

Lab Name:	STL Ne	wburgh			Contract:	
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: <u>237960</u>
Matrix: (soil/w	vater)	WATER	<del></del>		Lab Sampl	e ID: SBLK43
Sample wt/vo	ol:	1000.0	(g/ml) <u>ML</u>	<u> </u>	Lab File ID	: S30440.D
Level: (low/m	ned)	LOW			Date Recei	ived:
% Moisture:		de	canted:(Y/N)	N	Date Extra	cted: 7/14/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analy	zed: 7/19/2004
Injection Volu	me: 2.	.0 (uL)			Dilution Fa	ctor: 1.0
GPC Cleanup	: (Y/N)	 N	pH:		Units: (ug/L	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1.4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzył alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		U	10
621-64-7	N-Nitroso-di-n-propylamine		U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		U	10
88-75-5	2-Nitrophenol		U	10
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		υ	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chloroaniline		U	10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		<u> </u>	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	50
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline		U	25
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene		U	10
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	25
51-28-5	2,4-Dinitrophenol		U	25
132-64-9	Dibenzofuran		U	10
121-14-2	2,4-Dinitrotoluene		U	10

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#### 1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Newburgh		Cont	ract:	SBLK43
Lab Code:	10142	Case No.:	SAS No.:		SDG No.: 237960
Matrix: (soil/	water)	WATER		Lab Sample I	D: SBLK43
Sample wt/v	ol:	1000.0 (g/ml) ML		Lab File ID:	S30440.D
Level: (low/r	ned)	LOW		Date Receive	d:
% Moisture:	·	decanted:(Y/N)	N	Date Extracte	d: 7/14/2004
Concentrated	d Extract	Volume: 1000 (uL)		Date Analyze	d: <u>7/19/2004</u>
Injection Volu	ume: 2	.0 (uL)		'Dilution Facto	r: <u>1.0</u>
GPC Cleanu		N pH:		Units: (ug/L o	rug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U	25
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	25
534-52-1	4,6-Dinitro-2-methylphenol		U	25
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		U	25
85-01 <b>-</b> 8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		U	10
85-68 <b>-</b> 7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benzo(a)anthracene		U	10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate		U	10
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,l)perylene		U	10

#### 1F

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
SBLK43	-

Lab Name:	STL Ne	wburgh	Contrac	ot:	SBLR43	
	10142		SAS	No.:	SDG No.: 237	960
Matrix: (soil/v	water)	WATER		Lab Sample	ID: SBLK43	
Sample wt/vo	ol:	1000.0 (g/ml) ML		Lab File ID:	S30440.D	-
Level: (low/r	ned)	LOW		Date Receiv	/ed:	<del></del>
% Moisture:		decanted: (Y/N)	N	Date Extract	ted: 7/14/2004	
Concentrated	d Extract	Volume: 1000 (uL)	;	Date Analyz	ed: <u>7/19/2004</u>	
Injection Volu	ume: <u>2.</u>	0 (uL)		Dilution Fact	tor: 1.0	
GPC Cleanu	p: (Y/N)	N pH:				
			CONCE	NTRATION	UNITS:	
Number TICs	s found:	0	(ug/L or	ug/Kg)	UG/L	
CAS NUME	BER	COMPOUND NAME		RT	EST. CONC.	Q

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# PESTICIDE METHOD BLANK SUMMARY

PBLK22

Lab Name:

STL Newburgh

Contract:

Lab Code: 10142 -

Case No.:

SAS No.:

SDG No.:

Lab Sample ID:

PBLK22

Lab File ID:

HP7552.d

Matrix: (soil/water)

WATER

Extraction: (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N)

Υ

Date Extracted:

7/6/04

Date Analyzed (1):

7/17/04

Date Analyzed (2):

7/17/04

Time Analyzed (1):

21:06

Time Analyzed (2):

21:06

Instrument ID (1):

5890-1

Instrument ID (2):

5890-1

GC Column (1):

Rtx-CLPest

ID: 0.32 (mm)

GC Column (2):

Rtx-CLPest2

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	DATE ·	DATE
-	SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2
1	PBSPK22	PBSPK22	7/17/04	7/17/04
2	ZZZZZMS	237872-05MS	7/18/04	7/18/04
3	ZZZZZMSD	237872-05MSD	7/18/04	7/18/04
4	MW-4A	237960-01	7/18/04	7/18/04
5	MW-4B	237960-02	7/18/04	7/18/04
6				
7				
8				
9				
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28	A ITS	ewhurgh is a part of Severn Tra	nt Laboratories, inc	

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#### PESTICIDE ANALYSIS DATA SHEET

Client ID: PBLK22 STL Lab No.: PBLK22

Client Name: IntegGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: Water

Sample Wt/Vol.: 1000 ml

Level: Low

Date Collected: Date Received:

Date Extracted: 7/6/2004 Date Analyzed: 7/17/2004 Report Date: 7/20/2004

Column: Rtx-CLPesticides

Lab File ID: HP7552.D

Dilution Factor: 1

		Detection			
•		Limit	Conc		
CAS No.	Compound	ug/l	ug/l		
319-84-6	alpha-BHC	0.05	Ü		
319-85-7	beta-BHC	0.05	U		
319-86-8	delta-BHC	0.05	Ū		
58-89-9	gamma-BHC(Lindane)	0.05	U		
76-44-8	Heptachlor	0,05	Ŭ		
309-00-2	Aldrin	0.05	U		
1024-57-3	Heptachlor Epoxide	0.05	IJ		
959-98-8	Endosulfan I	0.1	Ŭ		
60-57-1	Dieldrin	0,1	IJ		
72-55-9	4,4'-DDE	0.1	U		
72-20-8	Endrin	0.1	U		
33213-65-9	Endosulfan II	0.1	U		
72-54-8	4,4'-DDD	0.1	U		
1031-07-8	Endosulfan Sulfate	0.1	U		
50-29-3	4.4'-DDT	0.1	U		
72-43-5	Methoxychlor	0.5	U		
7421-36-3	Endrin Aldehyde	0.1	U		
57-74-9	Technical Chlordane	0.5	U		
8001-35-2	Toxaphene	1.0	IJ		

FORM I - PEST

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#### PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name:

STL Newburgh

Contract:

PBLK22

b Code: 10142

Case No.:

SAS No.:

SDG No.:

Lab Sample ID:

PBLK22

Lab File ID:

2HP8425.d

Matrix: (soil/water)

WATER

Extraction: (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N)

Date Extracted:

7/6/04

Date Analyzed (1):

7/9/04

Υ

Date Analyzed (2):

7/9/04

Time Analyzed (1):

1:05

Time Analyzed (2):

1:05

Instrument ID (1):

5890-2

Instrument ID (2):

5890-2

GC Column (1):

DB-5

ID: 0.32 (mm)

GC Column (2):

DB1701P

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2
1	PBSPK22	PBSPK22	7/09/04	7/09/04
2	MW-4A	237960-01	7/09/04	7/09/04
3	MW-4B	237960-02	7/09/04	7/09/04
4	ZZZZZMS	ZZZZZMS	7/09/04	7/09/04
5	ZZZZZMSD	ZZZZZMSD	7/09/04	7/09/04
6				
7				
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23[				
24	-		<u> </u>	
25				
26	9	L Newburgh is a part of Severn 1	rent Laboratories, Inc.	

CTEOBREMOSEY PESEPANY049

STL Newburgh 315 Fullerton Avenue

#### PCB ANALYSIS DATA SHEET

Client ID: PBLK22 STL Lab No.: PBLK22

Client Name: InteGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: Water 1000 ml

Sample Wt/Vol.: Level: Low

Date Collected: Date Received:

Date Extracted: 7/7/2004 Date Analyzed: 7/9/2004 Report Date: 7/20/2004

> Column: DB-5/DB-1701P Lab File ID: HP8425.D

Dilution Factor: 1

		Detection	
	•	Limit	Conc
CAS No.	Compound	ug/l	ug/l
			<u> </u>
12674-11-2	Aroclor-1016	0.5	Ü
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0.5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	Ū

FORM I - PEST

#### 4C PESTICIDE METHOD BLANK SUMMARY

Lab Name:

STL Newburgh

Contract:

5 Code: 10142 ·

Case No.:

SAS No.:

SDG No.:

Lab Sample ID:

PBLK23

Lab File ID:

HP7327.d

Matrix: (soil/water)

WATER

Extraction: (SepF/Cont/Sonc) SepF

Sulfur Cleanup: (Y/N)

Date Extracted:

7/7/04

EPA SAMPLE NO.

PBLK23

Date Analyzed (1):

7/13/04

Date Analyzed (2):

7/13/04

Time Analyzed (1):

0:14

Time Analyzed (2):

0:14

Instrument ID (1):

5890-1

Instrument ID (2):

5890-1

GC Column (1):

Rtx-CLPest

ID: 0.32 (mm)

GC Column (2):

Rtx-CLPest2

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	DATE	DATE
	SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2
1	PBSPK23	PBSPK23	7/13/04	7/13/04
2	MW-1N	237960-03	7/13/04	7/13/04
3	MW-9A	237960-04	7/13/04	7/13/04
4.	MW-9B	237960-05	7/13/04	7/13/04
5	MW-5	237960-06	7/13/04	7/13/04
6	MVV-10	237960-07	7/13/04	7/13/04
7	MW-6A	237960-08	7/13/04	7/13/04
8	MW-6B	237960-09	7/13/04	7/13/04
9	W-1S	237960-10	7/13/04	7/13/04
10	MW-13	237960-11	7/13/04	7/13/04
11	W-2S	237960-12	7/13/04	7/13/04
12	MW-7	237960-13	7/13/04	7/13/04
13	MW-3N	237960-14	7/13/04	7/13/04
14	MW-8B	237960-15	7/13/04	7/13/04
15	MW-8A	237960-16	7/13/04	7/13/04
16	MW-2N	237960-17	7/13/04	7/13/04
17	FB	237960-18	7/13/04	7/13/04
18	MW-11A	237960-19	7/13/04	7/13/04
19	MW-11B	237960-20	7/13/04	7/13/04
20	W-3S	237960-21	7/13/04	7/13/04
21	MW-12	237960-23	7/13/04	7/13/04
22	MW-8BMS	237960-15MS	7/13/04	7/13/04
23	MW-8BMSD	237960-15MSD	7/13/04	7/13/04
24				
25				
26				
27				
28	STUN	wherehis a part of Severn Tres	t Laboratories Inc	

315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 м-нүо49790

#### PESTICIDE ANALYSIS DATA SHEET

Client ID: PBLK23 STL Lab No.: PBLK23

Client Name: InteGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: Water

Sample Wt/Vol.: 1000 ml

Level: Low

Date Collected: Date Received:

Date Extracted: 7/7/2004 Date Analyzed: 7/13/2004 Report Date: 7/12/2004 Column: Rtx-CLPest Lab File ID: HP7327.D

Dilution Factor: 1

		Detection		
		Limit	Conc	
CAS No.	Compound	ug/l	ug/l	
319-84-6	alpha-BHC	0.05	Ü	
319-85-7	beta-BHC	0.05	U	
319-86-8	delta-BHC	0:05	Ü	
58-89-9	gamma-BHC(Lindane)	0.05	U	
76-44-8	Heptachlor	0.05	Ü	
309-00-2	Aldrin	0.05	U	
1024-57-3	Heptachlor Epoxide	0,05	U	
959-98-8	Endosulfan I	0.1	U	
60-57-1	Dieldrin	0.1	U	
72-55-9	4,4'-DDE	0.1	U	
72-20-8	Endrin	0.1	IJ	
33213-65-9	Endosulfan II	0.1	U	
72-54-8	4.4'-DDD	0.1	IJ	
1031-07-8	Endosulfan Sulfate	0.1	U	
50-29-3	4.4'-DDT	0.1	IJ	
72-43-5	Methoxychlor	0.5	U	
7421-36-3	Endrin Aldehyde	0.1	IJ	
57-74-9	Technical Chlordane	0.5	U	
8001-35-2	Toxaphene	1,0	U	

FORM I - PEST

CTDOHS PH-0554

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## 4C

### PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK23

Lab Name:

STL Newburgh

Contract:

•.,

b Code: 10142 -

Case No.:

SAS No.:

SDG No.:

Lab Sample ID:

PBLK23

Lab File ID:

2HP8472.d

Matrix: (soil/water)

WATER

Extraction: (SepF/Cont/Sonc) SepF

40 A 0 - E

Sulfur Cleanup: (Y/N)

7KIY

Date Extracted:

7/7/04

Date Analyzed (1):

7/12/04

Date Analyzed (2):

7/12/04

Time Analyzed (1):

22:25

Time Analyzed (2):

22:25

Instrument ID (1):

5890-2

Instrument ID (2):

5890-2

GC Column (1):

DB-5

ID: 0.32 (mm)

GC Column (2):

DB1701P

ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA	LAB	DATE	DATE		
	SAMPLE NO.	SAMPLE NO.	ANALYZED 1	ANALYZED 2		
1	PBSPK23	PBSPK23	7/12/04	7/12/04		
2	MW-1N	237960-03	7/12/04	7/12/04		
3	MW-9A	237960-04	7/12/04	7/12/04		
4	MW-9B	237960-05	7/13/04	7/13/04		
5	MW-5	237960-06	7./13/04	7/13/04		
6	MW-10	237960-07	7/13/04	7/13/04		
7	MW-6A	237960-08	7/13/04	7/13/04		
8	MW-6B	237960-09	7/13/04	7/13/04		
9	W-1S	237960-10	7/13/04	- 7/13/04		
10	MW-13	237960-11	7/13/04	7/13/04		
11	W-2S	237960-12	7/13/04	7/13/04		
12	MW-7	237960-13	7/13/04	7/13/04 7/13/04		
13	MW-3N	237960-14	7/13/04			
14	MW-8B	237960-15	7/13/04	7/13/04		
15	MW-8A	237960-16	7/13/04	7/13/04		
16	MW-2N	237960-17	7/13/04	7/13/04		
17	FB	237960-18	7/13/04	7/13/04		
	MW-11A	237960-19	7/13/04	7/13/04		
19	MW-11B	237960-20	7/13/04	7/13/04		
20	W-3S	237960-21	7/13/04	7/13/04		
21	MW-12	237960-23	7/13/04	7/13/04		
22	MW-8BMS	237960-15MS	7/13/04	7/13/04		
23	MW-8BMSD	237960-15MSD	7/13/04	7/13/04		
24						
25						
26	g	1 Newburgh is a part of Severo	Trent Laboratories Inc.			

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Fax (845) 562-0841

#### PCB ANALYSIS DATA SHEET

Client ID: PBLK23 STL Lab No.: PBLK23

Client Name: InteGreyted International, LLC

Project Name: Cooper 0310025P

% Solid: 100 Matrix: Water

Sample Wt/Vol.: 1000 ml

Level: Low

Date Collected: Date Received:

Date Extracted: 7/7/2004 Date Analyzed: 7/12/2004 Report Date: 7/20/2004

Column: DB-5/DB-1701P Lab File ID: HP8472.D

Dilution Factor: 1

		Detection	
·		Limit	Conc
CAS No.	Compound	ug/l	ug/l
12674-11-2	Aroclor-1016	0.5	U
11104-28-2	Aroclor-1221	0.5	U
11141-16-5	Aroclor-1232	0,5	U
53469-21-9	Aroclor-1242	0.5	U
12672-29-6	Aroclor-1248	0.5	Ų
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1,0	U

FORM I - PEST

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PA 68-378

#### 3 BLANKS

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Lab Name:	Lab Name: STL Newburgh		Contract: COOPER					
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:				
Preparation	on Blank	Matrix (soil/water):	: water_					

	Initial									
	Calib.		Cont		nuing Cal	ih	ration		Prepa-	
	Blank		COII	P.	lank (ug/	T.)			ration	
,		С	1	C	2	Ć	3 C		Blank C	M
Analyte	(ug/L)	٦	1.	_	2	Ŭ			71352	
Aluminum	18.2	<del>,,</del>	243.0	_	18.2	ΙŪ	18.2 U		1	P
Arsenic	1.9	<u></u>	3.8	B	18.2	B	2.6 B		1.9 Ū	P
arium	13.3	<del>_</del>	12.2	= B	10.5	B	11.4 B		1.9 U 7.6 B	P
Beryllium	0.3	7	0.4	B	10.5	Ū	0.3 Ū	$\  \ $	0.3 U	P
Cadmium	0.5	вI	0.4	$\overline{\mathtt{B}}$	1.3	B	0.7 B		0.4 U	<u>P</u>
Calcium	320.1	B	531.4	$\overline{\mathtt{B}}$	413.5	B	588.0 B			<u>P</u>
Chromium	1.4	₽	531.4 1.5		1.2	B	1.1 B		1.1 B 2.5 U 1.6 U	<u>P</u>
Cobalt	2.9	B	- 30	B	2.5	B	2.5 U		<u>2.5</u> U	<u>P</u>
Copper	1.6		1.6	<u>U</u>	1.6		18.2 U 2.6 B 11.4 B 0.3 U 0.7 B 588.0 B 1.1 B 2.5 U 1.6 U 16.8 U 1.9 B 156.4 B 8.7 U 2.2 U 2.3 B 3.9 U		$\frac{1.6 U }{}$	
Iron	16.8	Ū	116.7		16.8 2.0	<u>U</u>	16.8 <u>U</u>		1.1 0	15
Lead	1.1	<u>U</u>	3.2	$\mathbf{B}$	2.0	<u> ₿</u>	1.9 B		1.1 U	<u>=</u>
Magnesium	30.5	UBIBIU	307.9 3.2 8.7	₿	70.0	블	156.4 B			<del> </del>
Nickel _	3.0	В	3.2	<u>B</u>	2.7 8.7	H	2.3 B 8.7 U		2.4 B 8.7 U	<u>-</u>
Selenium_		ᄞ	8.7	뷰	8.7	片	$\frac{8.7}{2.2}$ U		$\frac{8.7}{2.2} \left  \frac{0}{U} \right $	등
Silver	3.0		3.0		2.2 2.4 3.9	님	2.2 <u>U</u> 2.5 B		2.4 8.7 2.2 U 2.3 U U U U	들
Vanadium	3.0	BU	3.0	끍	2.4	믉	$\left  \frac{2.3}{3.9} \right  \frac{B}{U}$		2.3 <u>U</u> 3.9 <u>U</u>	声
Zinc	3.9	븨		브		느	<del> </del>  -			
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FORM III - IN

CTDOHS PH-0554

ILM04.0

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#### 3 BLANKS

Lab Name: STI	L Newburgh	Contract: COOPER	
Lab Code: 103	142 Case No.:	SAS No.:	SDG No.:
_	Blank Matrix (soil/water)		~
Preparation F	Blank Concentration Units	g (ug/L or mg/kg):	_

								Т		$\Box$	1	İ
Analyte  Aluminum  Arsenic  Barium  Beryllium  Cadmium  Calcium  Chromium	Initial Calib. Blank (ug/L)	C	$ \begin{array}{r} 1 \\ \hline 274.8 \\ \hline 3.5 \\ \hline 11.6 \\ \hline 0.4 \\ \hline 1.4 \\ \hline 513.8 \end{array} $		nuing Cali ank (ug/I 2 18.2 3.3 10.7 0.3 0.7 412.0 1.0	दाषादादाषाषादादाषाषावाषावादा ०८ पू	3		Prepa- ration Blank	c		
		- - - -	$ \begin{array}{r}                                     $	-	1.0 2.6 1.6 16.8	गतातासामा	1.0 2.6 1.6 23.3 1.2			  -  -  -  -		
Lead Magnesium Nickel Selenium		- - - -	1.6 357.9 2.7 8.7	ជាមាជាជាមាមា	2.6 72.4 2.4 8.7 2.2	ជាជាធាធារាជា	$ \begin{array}{r}                                     $	didimini didimin		_		
Silver Vanadium Zinc		- - - -	2.2 2.8 3.9		2.2 2.5 3.9	B  U	2. <u>5</u> 3.9	B U		-	<u>P</u>	
		_ _ _		1 1 1 1		  -  -  -		- - -		-  -  -  -		
		-		_		_		_				

FORM III - IN

ILM04.0

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#### 3 BLANKS

Lab Name: STL Newburgh	Contract: COOPER	
Lab Code: 10142	SAS No.:	SDG No.:
Preparation Blank Matrix (soil/water)	•	
Preparation Blank Concentration Units	(ug/L or mg/kg):	_

Analyte	Initial Calib. Blank (ug/L)	C	<u> </u>	ti B C	nuing Cal: lank (ug/l 2	ib L) C	С	Prepa- ration Blank	C	М
Aluminum Arsenic Barium eryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Nickel Selenium Silver Vanadium Zinc			273.6 2.6 11.9 0.3 1.2 U(B.1 1.4 3.0 1.6 133.6 2.8 354.3 3.1 8.7 2.2 2.9 3.9							

FORM III - IN

ILM04.0

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#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract: COOPER	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: water	
Preparation	n Blank	Concentration Units	(ug/L or mg/kg): ug/L	_

Analyte	Initial Calib. Blank (ug/L) C	Con 1	tinui Blan C	ng Cali k (ug/I 2	ibi L) C	cation 3	С	Prepa- ration Blank	С	М
Aluminum Arsenic Barium Beryllium Cadmium					1 1 1 1			1.9 8.0 0.3 0.6	ושושושו	
Calcium Chromium Cobalt Copper Iron Lead					- - - - -				BUUU IBI	
Magnesium Nickel Silver Vanadium Zinc Selrnium								2.3 2.2 2.3 4.5 8.7	FIBICICIBI	
·									_ _ _ _ _	
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FORM III - IN

ILM04.0

STL Newburgh 315 Fullerton Avertue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 STL Newburgh is a part of Severn Trent Laboratories, Inc.

#### 3 BLANKS

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Lab Name:	STL Newburgh	Contract: COOPER	
Lab Code:	10142 Case No.:	SAS No.:	SDG No.:
Preparati	on Blank Matrix (soil/wate	r): water	

Analyte	Initial Calib. Blank (ug/L) C	1 C		bration ) C 3	С	Prepa- ration Blank C	
Aluminum Arsenic Jarium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Nickel Selenium Silver Vanadium Zinc	18.2 U 1.9 U 12.5 B 0.3 U 337.5 B 0.9 B 2.9 B 1.7 16.8 U 31.2 B 2.6 B 8.7 U 2.2 U 2.8 B 3.9 U	269.1 1.9 11.7 0.5 1.2 590.7 1.1 3.0 1.8 120.2 1.4 318.8 2.7 8.7 2.2 2.8 3.9	$ \begin{array}{c c} 3 & 11.0 \\ \hline 0.5 \\ \hline 1.2 \\ 648.1 \\ \hline 1.1 \\ 2.8 \\ \hline 2.1 \\ 122.2 \\ \end{array} $			1.9 U 8.0 B 0.4 U 1.5 B 2.5 U 1.6 U 1.1 U 2.2 B 8.7 U 2.2 U 2.3 U 3.9 U	

FORM III - IN

ILM04.0

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#### 3 BLANKS

Lab Name:	STL Newh	ourgh	Contract: COOPER	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)		
Preparatio	n Blank	Concentration Units	(ug/L or mg/kg):	<del></del>

								<del></del>	
Analyte	Initial Calib. Blank (ug/L) C		cir Bl C	nuing Cal Lank (ug/ 2	ib L) C		С	Prepa- ration Blank C	M
Aluminum Calcium ron Lead Magnesium	38.4 595.3 B 18.9 U 2.5 U 11.7	38.4 593.4 18.9 2.5 20.0	B U U B U	38.4 684.6 18.9 2.5 -20.5		$ \begin{array}{r} 38.4 \\ 756.2 \\ 18.9 \\ 2.5 \\ 11.7 \end{array} $			
			_ 		-  -  -  -  -				
			_ _ _ _		<del></del>				
					1 1 1		_ _ _		
			- - -		_ _ _		- - -		

FORM III - IN

ILM04.0

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# BLANKS

Lab Name:	STL New	burgh	Contract: COOPER	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparati	on Blank	Matrix (soil/water)	: water	

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

	Initial Calib.	Conti	nuing Cali	bra	ation		Prepa-		
Analyte	Blank (ug/L) C	1 C	lank (ug/I 2	C .	3	С	ration Blank	С	М
Aluminum Calcium, H	38.4 <u>U</u> 51.7 U	38.4 U 51.7 U	$\begin{array}{r} 38.4 \\ \hline 51.7 \end{array}$	שוטוטום B	38.4 51.7	MIGIGIO!			<u> </u>
Iron lagnesium	38.4 U 51.7 U 18.9 U 11.7 U	38.4 U 51.7 U 18.9 U 13.4 B	18.9 12.6	B _	18.9 13.0	UB B	63.9	<u>B</u>	P P
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#### 3 BLANKS

Lab Name:	STL Newl	ourgh	Contract:	COOPER	1	
Lab Code:	10142_	Case No.:	SAS No.:		SDG No.: _	
Preparation	on Blank	Matrix (soil/water)		•		
Preparation	on Blank	Concentration Units	(ug/L or	mg/kg):	<u>_</u>	

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Analyte	Initial Calib. Blank (ug/L)	C	Cont	zi: B: C	nuing Cal lank (ug/ 2	ib L) C	ration 3	С	Prepa- ration Blank	С	м	
Aluminum Calcium Iron Magnesium			$ \begin{array}{r} 38.4 \\ 51.7 \\ 18.9 \\ 24.1 \end{array} $	BIGNAC	45.5 132.4 38.8 53.3		38.4 67.3 18.9 19.5	IBICI(PICI		-   -   -   -   -   -	1 NK   1   1   1   1   1   1   1   1   1	P
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract: COOPER	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Bĺank	Matrix (soil/water)	:	
Preparation	on Blank	Concentration Units	(ug/L or mg/kg):	_

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Analyte	Initial Calib. Blank (ug/L)	С		ti B C	nuing Cal lank (ug/ 2	ib L) C		С	Prepa- ration Blank C	м
Aluminum Calcium Tron Magnesium		- - -	38.4 101.5 33.0 43.8	I BIBIDIU						R-F
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STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841



#### 3 BLANKS

Lab	Name:	STL Newb	ourgh	Contract: COOPER	
Lab	Code:	10142	Case No.:	SAS No.:	SDG No.:
Prep	aratio	n Blank	Matrix (soil/water):	water_	

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	C	Con	ti B C	nuing Cal lank (ug/ 2	ib L) C		O		С	М
Iron		I I		ı —			1:	1-	44.8	- !	P
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#### 3 BLANKS

Lab Name:	STL New	burgh	Contract: COOPER	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)		

Preparation Blank Concentration Units (ug/L or mg/kg):

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Analyte	Initial Calib. Blank (ug/L) C	Conti F 1 0	inuing Cali Blank (ug/L C 2	bration ) C 3	С	Prepa- ration Blank	C	M
Aluminum Calcium Iron Magnesium Selenium	18.2 U 197.4 B 16.8 U 27.6 B 8.7 U	285.6 456.2 128.6 341.4 8.7	16.8	U 293.6 B 479.5 U 134.8 B 354.5 U 8.7				
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract: COOPER	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water):		
Preparation	on Blank	Concentration Units	(ug/L or mg/kg):	<u>+</u> ∧

Analyte	Initial Calib. Blank (ug/L)	C	Cont	ti B C	nuing Cal lank (ug/ 2	ib L) C	ration 3	С	Prepa- ration Blank (		М
Aluminum Calcium ron Magnesium Selenium			447.2 617.5 199.2 526.8 8.7	B BU		-  -  -  -	5				
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#### 3 BLANKS

Lab Name:	STL New	burgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: water	

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L) C	]	inuing Cal Blank (ug/ C 2	ibrati L) C	on 3	С	Prepa- ration Blank	С	М
Mercury	0.2 0	0.2	0.2	ט	0.2	፱	0,2	Ū	CV
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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract:	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	:	
Preparatio	on Blank	Concentration Units	(ug/L or mg/kg):	<u> </u>

Analyte	Initial Calib. Blank (ug/L)	С	Cont	Ei B C	nuing Cal lank (ug/ 2	ib L) C	ration 3	C	Prepa- ration Blank	С	м
Mercury		-	0.2	Ū		-				1	CV
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M-NY049

#### 3 BLANKS

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Lab	Name:	STL Newl	ourgh	Contract: COOPER	
Lab	Code:	10142	Case No.:	SAS No.:	SDG No.:
December		on Dlank	Matrix (soil/water)	: water	

	1	1					- 1	1	- 1	1 1
Analyte	Initial Calib. Blank (ug/L) C		i B	nuing Cal lank (ug/l 2	ib: L) C	ration	C	Prepa- ration Blank (	7.	м
Cyanide	10.0   0	10.0	Ū	10.0	Ū	10.0	ប៊	10.0	j	P
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SEVERN STL NYSDOH 10142

#### 3 BLANKS

Lab Name:	STL New	burgh	Contract: COOPER	
Lab Code:	10142	Case No.:	SAS No.:	SDG No.:
Preparation	on Blank	Matrix (soil/water)	: water	
Preparation	on Blank	Concentration Units	(ug/L or mg/kg): ug/L	

Analyte	Initial Calib. Blank (ug/L) C		tir Bl	nuing Cali Lank (ug/I 2	Lb:	ration 3	С	Prepa- ration Blank	C	М
Cyanide	10.0 0	10.0	፱	10.0	Ū	10.0	ㅁ	10.0	ᄪ	<u>P</u>
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#### 3 BLANKS

Lab Name:	STL New	ourgh	Contract: COOPER	
Lab Code:	10142_	Case No.:	SAS No.:	SDG No.:
Preparatio	on Blank	Matrix (soil/water):	water_	

Preparation Blank Concentration Units (ug/L or mg/kg): ug/L

Analyte	Initial Calib. Blank (ug/L)	С	Cont	bi B	nuing Cal: lank (ug/I 2	C)	3	C	Prepa- ration Blank	n	M
Cyanide	10.0	ਹ	10.0	፱	10.0	Ū	10.0	<u> </u>	10.0	፱	P
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### SAMPLE DATA SUMMARY PACKAGE

InteGreyted International, LLC
Syracuse, NY

Project: Cooper 0310025P STL Lab. #: 237960

Matrix: Water
1 of 2



# SAMPLE 1 N F O R M A T 1 D N Date: 07/22/2004

Job Number.: 237960 Customer...: InteGreyted International, LLC Attn.....: Mark Schumacher

Project Number.....: 20001335 Customer Project ID...: COOPER 0310025P Project Description...: Cooper/C-H

Leboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
237960-1	MV-4A	Water	06/30/2004	15:00	07/02/2004	15:00
237960-2	MV-4B	Water	06/30/2004	17:45	07/02/2004	15:00
237960-3	MV-1N	Water	07/01/2004	08:50	07/02/2004	15:00
237960-4	MV-9A	Water	07/01/2004	08:45	07/02/2004	15:00
237960-5	MW-9B	Water	07/01/2004	10:30	07/02/2004	15:00
237960-6	MW-5	Water	07/01/2004	10:40	07/02/2004	15:00
237960-7	MW-10	Water	07/01/2004	11:20	07/02/2004	15:00
237960-8	MW-6A	Water	07/01/2004	13:10	07/02/2004	15:00
237960-9	MW-6B	Water	07/01/2004	13:35	07/02/2004	15:00
37960-10	W-1s	Water	07/01/2004	16:15	07/02/2004	15:00
237960-11	MW-13	Water	07/01/2004	13:10	07/02/2004	15:00
237960-12	W-2s	Water	07/01/2004	15:00	07/02/2004	15:00
237960-13	MW-7	Water	06/30/2004	11:40	07/02/2004	15:00
237960-14		Water	06/30/2004	13:10	07/02/2004	15:00
237960-15	MW-8B	Water	06/30/2004	15:10	07/02/2004	15:00
237960-16	MW-8A	Water	06/30/2004	16:20	07/02/2004	15:00
237960-17	MV-2N	Water	06/30/2004	17:10	07/02/2004	15:00
237960-18	FB	Water	06/30/2004	16:30	07/02/2004	15:00
237960-19	MW-11A	Water	06/30/2004	10:20	07/02/2004	15:00
237960-20	MW-11B	Water	06/30/2004	13:00	07/02/2004	15:00
237960-21	W-3S	Water	07/01/2004	13:00	07/02/2004	15:00
237960-22	Trip Blank	Water	07/01/2004	00:00	07/02/2004	15:00
237960-23	MW-12	Water	06/30/2004	00:00	07/02/2004	15:00
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STL Newburgh is a ppage Severn Trent Laboratories, Inc.



Date: 07/22/2004 Job Number: 237960

	-	-b* 8000F	. 0240026	6	ATTN: Mark Sci	umacher.	
CUSTOMER: InteGre	yted International, LLC PROJ	EDT: COOPE	( 03 1002.	,			
	Client ID: MW-4A	Date Re	ecvd: 07/	02/2004	Sample Date: 06/30/2	2004	5 5 1 1 1 M 1 6 1 1
Lab ID: 237960-1 METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME	NALYZED	DILUTION
SW846 5030(5mL	5030 5 ml Purge Prep	1	72138		07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71351		07/06/2004	0800	
SM18 4500CNE	Cvanide, Total	1	71534 71409		01/00/2004	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	71412				
SW846 3510C	Extraction Sep. Funnel (PCBs)	í	71406				
SW846 3510C	Extraction Sep. Funnel (SVOC)	i	71471		07/06/2004	2111	
EPA 245.1	Mercury (CVAA) Metals Analysis (ICP)	1	72141	71351	07/15/2004	1154	
EPA 200.7	Metals Analysis (ICP)	1	72175	71351	07/16/2004	1037	
EPA 200.7 SW846 8081A	Organochlorine Pesticide Analysis	1				0000	1.02
SW846 8082	PCR Analysis	1	72322		07/09/2004 07/14/2004	0251	1.02
LAC 10210001A	Phenolics, Total Recoverable	1	72001		07/14/2004	023;	
QA Services	Quality Assurance Services	1	72227				
QA Services	Quality Assurance Services	4	72353				
QA Services	Quality Assurance Services	· i	72368		07/08/2004	1824	1
SW846 8270C	Semivolatile Organics	, 1	72228				
SW846 8260B	Volatile Organics						
Lab ID: 237960-2	Client ID: MW-4B	Date Re	cvd: 07/	02/2004	Sample Date: 06/30/2	2004	D.T.I.UTTOU
METHOD	DESCRIPTION			PREP BT	#(S) DATE/TIME A	MALTZED	DILUTION
SW846 5030(5mL	5030 5 ml Purge Prep	1	72138		07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71351		07/06/2004	0800	
SM18 4500CHE	Cvanide, Total	1.	71534 71409		01,00,2004	0000	
W846 3510C	Extraction Sep. Funnel (Chior.Pest)	1	71412				
SW846 3510C	Extraction Sep. Funnel (PCBs)	1.					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71471		07/06/2004	2113	
EPA 245.1	Mercury (CVAA) Metals Analysis (ICP)	1	72141	71351	07/15/2004	1158	2.000
EPA 200.7 EPA 200.7	Metals Analysis (ICP)	1	72175	71351	07/16/2004	1041	2.000
SW846 8081A	Organochlorine Pesticide Analysis	1			07/09/2004	0000	1.031
SW846 8082	PCB Analysis	1	72322		07/14/2004	0251	1.051
LAC 10210001A	Phenolics, Total Recoverable	1 1	72001		017 147 2004	025	
QA Services	Quality Assurance Services	1	72227				
QA Services	Quality Assurance Services	i	72353				
QA Services	Quality Assurance Services Semivolatile Organics	i	72368		07/08/2004	1900	1
SW846 8270C	Volatile Organics	1	72228				
SW846 8260B	VOCACITE OF GUILLOU				- 1 5 - 07/04/5	007	
Lab ID: 237960-3	Client ID: MW-1N	Date Re	cvd: 07/	02/2004	Sample Date: 07/01/2 #(S) DATE/TIME A	NALYZED	DILUTION
METHOD	DESCRIPTION			PKEP BI	#(S) DATE/TIME A	MAC: LLD	D1101101
SW846 5030(5mL	5030 5 mL Purge Prep	1	72138 71351		07/06/2004	0845	
EPA 200.7	Acid Digestion, lotal Recoverable(ILAF)	i	71534		07/06/2004	0800	
SM18 4500CNE	Cyanide, Total	i	71492				
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest) Extraction Sep. Funnel (PCBs)	1	71495				
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71406			0445	
SW846 3510C EPA 245.1	Mercury (CVAA)	1	71471		07/06/2004	2115	
EPA 245.1	Metals Analysis (ICP)	1	72141	71351	07/15/2004 07/16/2004	1203 1044	
EPA 200.7	Metals Analysis (ICP)	1	72175	71351	0171072004	1044	
SW846 8081A	Organochlorine Pesticide Analysis	1	72326		07/12/2004	0000	1.064
SW846 8082	PCB Analysis ·	1	72001		07/14/2004	0251	
LAC 10210001A	Phenolics, Total Recoverable	1	1 2001		,,		
QA Services	Quality Assurance Services	i	72227				
QA Services	Quality Assurance Services Quality Assurance Services	i	72353		•		
QA Services	MUSITLY Masurance oct 11000				0000	100	
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SEVERN STL NYSDOH 10142

M-NY049

Job Number: 237960

Date: 07/22/2004

CUSTOMER; InteGre	yted international, LLC	PROJECT: COOP	ER 031002	iP.	P	TIN: Hark Sci	umacher	
Lab ID: 237960-3 METHOD SW846 8270C	Client ID: MW-1N DESCRIPTION Semivolatile Organics Volatile Organics	Date		02/2004	Sample #(S)	Date: 07/01/2 DATE/TIME / 07/08/2004	NALYZED	DILUTION 1
SW846 8260B Lab ID: 237960-4 METHOD		Date RUN	Recvd: 07/ # BATCH#	02/2004 PREP BT	Sample #(S)	Date: 07/01/2 DATE/TIME A	2004 NALYZED	DILUTION
SW846 5030(5mL EPA 200.7 SM18 4500CNE SW846 3510C		1	71351 71525 71492			07/06/2004 07/07/2004	0845 0900	
SW846 3510C SW846 3510C EPA 245.1	Extraction Sep. Funnel (PCBs) Extraction Sep. Funnel (SVOC) Mercury (CVAA)	1 1 1	71495 71406 71471	74754		07/06/2004 07/15/2004	2117 1208	2.000
EPA 200.7 EPA 200.7 SW846 8081A	Metals Analysis (ICP) Metals Analysis (ICP) Organochlorine Pesticide Analysis	1 1	72175	71351 71351		07/16/2004	1047	2.000
SH846 8082 LAC 10210001A QA Services	PCB Analysis Phenolics, Total Recoverable Quality Assurance Services Quality Assurance Services	1 1	72326 72001 72227			07/14/2004	0251	,,,,,
QA Services QA Services SW846 8270C SW846 8260B	Quality Assurance Services Quality Assurance Services Semivolatile Organics Volatile Organics	1	72353 72368 72228			07/08/2004	2011	1
) ID: 237960-5 METHOD	Client ID: MW-9B DESCRIPTION	Date   RUN 1	# BATCH#	02/2004 PREP BT	Sample #(S)	Date: 07/01/2 DATE/TIME A	004 NALYZED	DILUTION
EPA 200.7 SM18 4500CNE SW846 3510C	5030 5 mL Purge Prep Acid Digestion, Total Recoverable (ICA Cyanide, Total Extraction Sep. Funnel (Chlor.Pest) Extraction Sep. Funnel (PCBs)	P) 1 1	71351 71525 71492			07/06/2004 07/07/2004	0845 0900	
SW846 3510C SW846 3510C EPA 245.1 EPA 200.7	Extraction Sep. Funnel (SVOC) Mercury (CVAA) Metals Analysis (ICP)	1 1 1	71406 71471 72141 72175	71351 71351		07/06/2004 07/15/2004 07/16/2004	2119 1212 1051	2.000 2.000
EPA 200.7 SW846 8081A SW846 8082 LAC 10210001A	Metals Analysis (ICP) Organochlorine Pesticide Analysis PCB Analysis Phenolics, Total Recoverable	1 1 1	72326 72001	.,		07/13/2004 07/14/2004	0000 0251	1.064
QA Services QA Services QA Services SW846 82700	Quality Assurance Services Quality Assurance Services Quality Assurance Services Semivolatile Organics	1 1 1	72227 72353 72368			07/08/2004	2046	1
SW846 82608 Lab ID: 237960-6	Volatile Organics Client ID: HW-5	1 Date I RUN	72228 Recvd: 07/ # BATCH#	02/2004 PREP BT		Date: 07/01/2 DATE/TIME A	004 NALYZED	DILUTION
METHOD SW846 5030(5mL EPA 200.7 SM18 4500CHE SW846 3510C	DESCRIPTION 5030 5 mL Purge Prep Acid Digestion,Total Recoverable(ICA Cyanide, Total Extraction Sep. Funnel (Chlor.Pest)	1	72138 71351 71525 71492 71495			07/06/2004 07/07/2004	0845 0900	
SW846 3510C SW846 3510C EPA 245.1 EPA 200.7 EPA 200.7	Extraction Sep. Funnel (PCBs) Extraction Sep. Funnel (SVOC) Mercury (CVAA) Metals Analysis (ICP) Metals Analysis (ICP)	1 1 1	71406 71471 72141 72175	71351 71351		07/06/2004 07/15/2004 07/16/2004	2121 1217 1054	
SW846 8081A	Organochlorine Pesticide Analysis	1				()	000:	10

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

NJDEP 73015

Job Number: 237960

Date: 07/22/2004

	¥							
customer: integre	yted International, LLC PROJEC	T: COOPE	0310025	P		ATTN: Mark Sch	umacher	
			. 07	·02 /200/	Cample	Doto: 07/01/2	004	
Lab ID: 237960-6	Client ID: MW-5	Date Re	ecva: U//	'02/2004 PREP BT	#/c)	Date: 07/01/2 DATE/TIME A		DILUTION
METHOD	DESCRIPTION			PREP DI	#(0)	07/13/2004	HALIEL	1.064
SW846 8082	PCB Analysis	1	72326 72001			07/14/2004	0251	11001
LAC 10210001A	Phenolics, Total Recoverable	1	12001			017 147 2004	<b>525</b> .	
QA Services	Quality Assurance Services	1	72227					
QA Services	Quality Assurance Services	1	72353					
QA Services	Quality Assurance Services	4	72368			07/08/2004	2122	1
SW846 8270C	Semivolatile Organics	i	72228			0.,00,000		•
SW846 8260B	Volatile Organics	'	12220	÷				
	-11 Th. 381 40	Date Re	evd: 07/	02/2004	Sample	Date: 07/01/2	004	
Lab ID: 237960-7	Client ID: MW-10	RIIN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
METHOD	DESCRIPTION .	1	72138					
SW846 5030(5mL	5030 5 mL Purge Prep Acid Digestion, Total Recoverable(ICAP)	1	71351			07/06/2004	0845	
EPA 200.7	ACIG Digestion, local Recoverable (15%)	1	71525			07/07/2004	0900	
SM18 4500CNE	Cyanide, Total Extraction Sep. Funnel (Chlor.Pest)	i	71492					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	71495					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71406					
SW846 3510C	Mercury (CVAA)	1	71471			07/06/2004	2122	
	Metals Analysis (ICP)	1	72141	71351		07/15/2004	1221	
EPA 200.7	Metals Analysis (ICP)	1	72175	71351		07/16/2004	1058	
EPA 200.7	Organochlorine Pesticide Analysis	1						4 544
SW846 8081A SW846 8082	PCB Analysis	1	72326			07/13/2004		1.064
LAC 10210001A	Phenolics, Total Recoverable	1	72001			07/14/2004	0251	
QA Services	Quality Assurance Services	1						
A Services	Quality Assurance Services	1	72227					
QA Services	Quality Assurance Services	1	72353			07.00.0007	2457	4
SW846 8270C	Semivolatile Organics	1	72368			07/08/2004	2157	1
SW846 8260B	Volatile Organics	1	72228					
0,,0,12 020				100 (200/	Comple	Date: 07/01/2	በበፈ	
Lab ID: 237960-8	Client ID: MW-6A	Date Ke	DATEUS	02/2004 PREP BT		DATE/TIME A		DILUTION
METHOD	DESCRIPTION	1	72138	FREF DI	n(0)	<b>5,11,0,</b> , <b>1</b> ,1,0		
SW846 5030(5mL	5030 5 mL Purge Prep	1	71351			07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71525			07/07/2004	0900	
/SM18 4500CNE	Cyanide, Total	1	71492			• •		
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	i	71495					
SW846 3510C	Extraction Sep. Funnel (PCBs)	i	71490					-
SW846 3510C	Extraction Sep. Funnel (SVOC)	i	71471			07/06/2004	2124	}
EPA 245.1	Mercury (CVAA)	i	72141	71351		07/15/2004	1225	
EPA 200.7	Metals Analysis (ICP) Metals Analysis (ICP)	i	72175	71351		07/16/2004	1101	
EPA 200.7		1						
SW846 8081A	PCB Analysis	1	72326			07/13/2004		1.124
SW846 8082	Phenolics, Total Recoverable	1	72001			07/14/2004	0251	j
LAC 10210001A	Quality Assurance Services	1						-
QA Services	Quality Assurance Services	. 1	72227					
QA Services QA Services	Quality Assurance Services	1	72353				0740	.
SW846 8270C	Semivolatile Organics	1	72368			07/15/2004	0312	1 {
SW846 8270C	Semivolatile Organics	1	72368			07/15/2004	0348	1
SW846 8270C	Semivolatile Organics	2	72368			07/15/2004	0312	'
SW846 8270C	Semivolatile Organics	2	72368			07/15/2004	0348	l
SW846 8260B	Volatile Organics	1	72228					
00010 00000	•			00 /000/	ء احسوم	Date: 07/01/2	204	İ
Lab ID: 237960-9	Client ID: MW-6B	Date Re	cvd: 07/	02/2004	Sample #/C\	DATE/TIME A	JOH JAI Y7年D	DILUTION
METHOD	DESCRIPTION			PREP BT	#(2)	DATE/TIME A	1714   440	DISCIPLE
CURAG 5030/5ml	5030 5 mL Purge Prep	1	72138			07/06/2004	-0845 A	o a a
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71351			0170072004	$\mathbf{U}\mathbf{U}\mathbf{U}$	011
	·							

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Job Number: 237960

Date: 07/22/2004

CUSTOMER: InteGre	yted International, LLC i	PROJECT: COOPER	0310025	þ		ATTN: Mark Sch	umacher	
				00/200/	<b>6</b> 1	Doto: 07/01/2	004	
Lab ID: 237960-9	Client ID: MW-6B	Date Re	cvd: 07/	02/2004 ·	Avez	Date: 07/01/2 DATE/TIME A	NALYZED	DILUTIO
METHOD	DESCRIPTION			PREP BT	#(5)	07/07/2004	UOUU	DILOTI
SM18 4500CNE	Cyanide, Total	1	71525			0//0//2004	0700	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	71492					
SW846 3510C	Extraction Sep. Funnet (PCBs)	7	71495					
SW846 3510C	Extraction Sep. Funnel (SVOC)	. 1	71490			07 (0/ (000/	2427	
EPA 245.1	Mercury (CVAA)	1	71471			07/06/2004	2126	
EPA 200.7	Metals Analysis (ICP)	1	72141	71351		07/15/2004	1247	
EPA 200.7	Metals Analysis (ICP)	1	72175	71351		07/16/2004	1110	
SW846 8081A	Organochlorine Pesticide Analysis	1						
SW846 8082	PCB Analysis	1	72326			07/13/2004		1.064
	Phenolics, Total Recoverable	1	72001			07/14/2004	0251	
LAC 10210001A	Quality Assurance Services	1						÷
QA Services	Quality Assurance Services	1	72227					
QA Services	Quality Assurance Services	Í	72353					
QA Services		1	72368			07/08/2004	2233	1
SW846 8270C	Semivolatile Organics	i	72228					
SW846 8260B	Volatile Organics	•						
		Note Pe	cvd= 07/	02/2004	Sample	Date: 07/01/20	004	
ab ID: 237960-10	Client ID: W-1S	שונים #נוווים	RATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTI
METHOD	DESCRIPTION	KUN#	72138	11121 01	"(")	• · · · · · · · · · · · · · · · · · · ·		
SW846 5030(5mL	5030 5 mL Purge Prep	•	71351			07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	) ]	71525			07/07/2004	0900	
SM18 4500CHE	Cyanide, Total	1				01/01/2004	0,00	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	71492					
4846 3510C	Extraction Sep. Funnel (PCBs)	]	71495					
#846 3510C	Extraction Sep. Funnel (SVOC)	1	71490			07/04/2004	2132	
EPA 245.1	Mercury (CVAA)	1	71471			07/06/2004		
EPA 200.7	Metals Analysis (ICP)	1	72141	71351		07/15/2004	1251	
EPA 200.7	Metals Analysis (ICP)	1	72175	71351		07/16/2004	1113	
SW846 8081A	Organochlorine Pesticide Analysis	1						1 0//
SW846 8082	PCB Analysis	1	72326			07/13/2004		1.064
LAC-10210001A	Phenolics, Total Recoverable	1	72001			07/14/2004	0251	
	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	72227					
QA Services	Quality Assurance Services	1	72353	•				
QA Services	Semivolatile Organics	1	72368			07/08/2004	2344	1
SW846 8270C	Semivotative Organics	1	72228					
SW846 8260B	Volatile Organics	•						
	-1.2 th- 101 47	Date Re	cvd: 07/	02/2004	Sample	Date: 07/01/20	004	
ab ID: 237960-11	Client ID: MW-13	BIIN#	RATCH#	PREP BT	#(S)	DATE/TIME AN	ALYZED	DILUTIO
METHOD	DESCRIPTION	1	72138	7.1.2.	,	•		
SW846 5030(5mL	5030 5 mL Purge Prep		71351			07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	, ,	71525			07/07/2004	0900	
SM18 4500CNE	Cyanide, Total		71492			0,, 0.,	••••	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1						
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	71495					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71639			07/06/2004	2134	
EPA 245.1	Mercury (CVAA)	1	71471	74754		07/15/2004	1256	5.000
EPA 200.7	Metals Analysis (ICP)	]	72141	71351		07/16/2004	1116	5.000
EPA 200.7	Metals Analysis (ICP)	1	72175	71351		017 1072004	1110	5.000
SW846 8081A	Organochlorine Pesticide Analysis	1				07 (42 (000)		1.064
SW846 8082	PCB Analysis	1	72326			07/13/2004	0054	1.004
38040 0000 FYG 10310001Y	Phenolics, Total Recoverable	1	72001			07/14/2004	0251	
LAC 10210001A	Quality Assurance Services	1	•					
QA Services	Quality Assurance Services	1	72227					
QA Services	BUSILIA VERNICA SELATORE	1	72353			•		
QA Services	Quality Assurance Services	4	72368			07/12/2004	1936	1
SW846 8270C SW846 8260B	Semivolatile Organics Volatile Organics	1	72228				001	_

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M-NY049

## LABORATORY CHRONICLE

Job Number: 237960 Date: 07/22/2004

				•		TTN: Mark Sch	(machae	
CUSTOMER: InteGre	yted International, LLC PRO	JECT: COOPE	( 031002:	) P		(TINT PIAIX SCI)	Gliacije:	
Lab ID: 237960-12	Client ID: W-2S DESCRIPTION	Date Ron#	BATCH#	/02/2004 PREP BT		Date: 07/01/2 DATE/TIME A		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	72138			07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71351 71525			07/07/2004	0900	
SM18 4500CNE	Cyanide, Total Extraction Sep. Funnel (Chlor Pest)	i	71492					
SW846 3510C SW846 3510C	Extraction Sep. Funnel (PCBs)	. 1	71495					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71490			07/06/2004	2136	
EPA 245.1	Mercury (CVAA)	1	71471 72141	71351		07/08/2004	1301	2.000
EPA 200.7	Metals-Analysis (ICP)	. 1	72175	71351		07/16/2004	1120	2,000
EPA 200.7	Metals Analysis (ICP) Organochlorine Pesticide Analysis	1	121,0					
SW846 8081A SW846 8082	PCB Analysis	1	72326			07/13/2004	0054	1.064
LAC 10210001A	Phenolics, Total Recoverable	1	72001			07/14/2004	0251	
QA Services	Quality Assurance Services	1	72227					
QA Services	Quality Assurance Services	1	72353					
QA Services SW846 8270C	Quality Assurance Services Semivolatile Organics	i	72368			07/08/2004	2308	1
SW846 8260B	Volatile Organics	1	72228					
0,000 0,000		B. A. B.		,00 (200).	Comple	Date: 06/30/2	ስስፈ	:
Lab ID: 237960-13	Client ID: MW-7	pate Ke	RATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
METHOD .	DESCRIPTION 5030 5 mL Purge Prep	1	72138	11123 21		-		
SW846 5030(5mL EPA 200.7	Acid Digestion, Total Recoverable (ICAP)		71351			07/06/2004	0845	
M18 4500CNE	Cvanide, Total	1	71525			07/07/2004	0900	
JU846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	71492 71495					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1.	71493 71639					
SW846 3510C	Extraction Sep. Funnel (SVOC) Mercury (CVAA)	1	71471			07/06/2004	2138	
EPA 245.1 EPA 200.7	Metals Analysis (ICP)	1	72141	71351		07/15/2004	1610	2
EPA 200.7	Matels Analysis (ICP)	1	72175	71351		07/16/2004	1129	2.000
SW846 8081A	Organochiorine Pesticide Analysis	1	72326			07/13/2004		1.02
SW846 8082	PCB Analysis Phenolics, Total Recoverable	i	72001		-	07/14/2004	0251	
LAC 10210001A QA Services	Quality Assurance Services	i						
QA Services	Quality Assurance Services	1	72227					
· QA Services	Quality Assurance Services	1	72353 72368			07/12/2004	2012	· 1
SH846 8270C	Semivolatile Organics	1	72228			0,, 12, 200		.
SW846 8260B	Volatile Organics	-						
Lab ID: 237960-14	Client ID: MW-3N	Date Re	cvd: 07/	02/2004	Sample	Date: 06/30/20	004	DILUTION
METHOD	DESCRIPTION		BATCH# 72138	PREP BT	#(S)	DATE/TIME A	YALIZED	DIFOLION
SW846 5030(5mL	5030 5 mL Purge Prep	1 1	71352			07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP) Cyanide, Total	1	71525			07/07/2004	0900	
SH18 4500CNE SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1						
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	71495					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71639 71471			07/06/2004	2145	, 1
EPA 245.1	Mercury (CVAA)	1	72144	71352		07/15/2004	1433	
EPA 200.7	Metals Analysis (ICP) Metals Analysis (ICP)	i	72176	71352		07/16/2004	1204	
EPA 200.7 SW846 8081A	Organochlorine Pesticide Analysis	1				07/47/200/		1.06/
SW846 8082	PCB Analysis ·	1	72326			07/13/2004 07/14/2004	0251	1.064
LAC 10210001A	Phenolics, Total Recoverable	· 1	72001			07/14/2004	0521	
QA Services	Quality Assurance Services	1	72227					1
QA Services	Quality Assurance Services Quality Assurance Services	i	72353					
QA Services	quartey house allow and trave					(	0000	113
3							-	1

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Job Number: 237960

Date: 07/22/2004

							***********	
CUSTOMER: InteGre	yted International, LLC	PROJECT: COOPER	R 0310025	j <b>p</b>		ATTN: Mark Sch	umacher	
		Data D	07.	02/2004	Samol e	Date: 06/30/2	004	
Lab ID: 237960-14		pate K	CYU; U// BATPU#	PREP BT		DATE/TIME A		DILUTION
METHOD	DESCRIPTION	1	72368	FREF DI	#( <b>0</b> )	07/12/2004		1
SW846 8270C	Semivolatile Organics	1	72228					
SW846 8260B	Volatile Organics	•	,					
1 .1 .N. 077040-45	Client ID: MW-8B	Date Re	ecvd: 07/	02/2004		Date: 06/30/2	004	
Leb ID: 237960-15 METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
SW846 5030(5mL		1	72138	•				
EPA 200.7	Acid Digestion, Total Recoverable (ICAP	) 1	71352			07/06/2004	0845	
SM18 4500CNE	Cyanide, Total	1	71838			07/09/2004	0900	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	71492					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	71495					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71639			07/06/2004	2147	
FPA 245.1	Mercury (CVAA)	1	71471	24752		07/16/2004	1138	2.000
EPA 200.7	Metals Analysis (ICP)	1	72177	71352		07/16/2004	1207	2.000
	Metals Analysis (ICP)	1	721 <b>7</b> 6	71352		0171072004	1201	2.000
	Organochiorine Pesticide Analysis	1 1	72326			07/13/2004		1.064
	PCB Analysis	1	72001			07/14/2004	0251	*****
	Phenolics, Total Recoverable	1	12001			0.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
	Quality Assurance Services	1	72227					
	Quality Assurance Services Quality Assurance Services	i	72353					
	Semivolatile Organics	i	72368			07/12/2004	2123	1
	Volatile Organics	i	72228					
SW846 8260B	Votatite diganics	•						
ID: 237960-16 ر	Client ID: MW-8A	Date Re	cvd: 07/	02/2004		Date: 06/30/2	004	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTION
sy846 5030(5mL	5030 5 mL Purge Prep	1	72138				00/5	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP	) 1	71352			07/06/2004	0845	
SH18 4500CNE	Cyanide, Total	1	71525			07/07/2004	0900	
SV846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	71492					
	Extraction Sep. Funnel (PCBs)	1	71495					
	Extraction Sep. Funnel (SVOC)	1	71639			07/06/2004	2159	
	Mercury (CVAA)	1 1	71471 72144	71352		07/15/2004	1500	,
	Metals Analysis (ICP)	1	72176	71352		07/16/2004	1226	
EPA 200.7	Metals Analysis (ICP)	1	16110	11336		V() (U) 200		
	Organochlorine Pesticide Analysis	1	72326			07/13/2004		1.031
	PCB Analysis	i	72001			07/14/2004	0251	
	Phenolics, Total Recoverable Quality Assurance Services	i	,					
	Quality Assurance Services	1	72227					
QA Services QA Services	Quality Assurance Services	1	72353					_
	Semivolatile Organics	1	72368			07/12/2004	2158	1
	Semivolatile Organics	2	72368			07/19/2004	1711	1
SW846 8260B	Volatile Organics	1	72228					
ONO-D GEOGE						n-+ 0/ /70 /0/	10/	
Lab ID: 237960-17	Client ID: MW-2N	Date Re	cvd: 07/	02/2004		Date: 06/30/20 DATE/TIME AM		DILUTION
METHOD	DESCRIPTION			PREP BT	#(5)	DATE/TIME AP	IAL I ZED	DIEGITOR
SW846 5030(5mL	5030 5 mL Purge Prep	. 1	72138			07/06/2004	0845	
FPA 200.7	Acid Digestion, Total Recoverable (ICAP	) 1	71352 71525			07/07/2004	0900	
	Cyanide, Total	1	71492			01,01,004	V, VV	
	Extraction Sep. Funnel (Chlor.Pest)	1	71492					
	Extraction Sep. Funnel (PCBs)	1	71639					
	Extraction Sep. Funnel (SVOC)	i	71471			07/06/2004	2201	
	Mercury (CVAA)	i	72144	71352		07/15/2004	1522	
	Metals Analysis (ICP) Metals Analysis (ICP)	i	72176	71352		07/16/2004	1229	
EPA 200.7	Merate Wilarders (101)	•				00	0001	4
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CTDOHS PH-0554

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Job Number: 237960

Date: 07/22/2004

						TTNA NEAD CAL	machae	
CUSTOMER: InteGre	yted international, LLC PRO	JECT: COOPER	0310025	P	Α	TTN: Mark Sch	allactiet	
		Data De	ovd: 07/	02/2004	Sample	Date: 06/30/2	004	
Lab ID: 237960-17	Client ID: MW-2N	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	VALYZED	DILUTION
METHOD SW846 8081A	DESCRIPTION Organochlorine Pesticide Analysis	1				A# 447 1000 4		4 075
SW846 8082	PCB Analysis	1	72326			07/13/2004 07/14/2004	0251	1.075
LAC 10210001A	Phenolics, Total Recoverable	1	72001			017 1472004	1 520	
QA Services	Quality Assurance Services	1	72227					
QA Services	Quality Assurance Services	1	72353					
QA Services	Quality Assurance Services	1	72368			07/12/2004	2234	1
SW846 8270C	Semivolatile Organics Volatile Organics	1	72228					
SW846 8260B	40(8(1)(0 0) 32())+1			.00.1001	Cnla	Dates 06/30/2	200	
Lab ID: 237960-18	Client ID: FB	Date Re	CVC: U//	PREP BT	#(S)	Date: 06/30/20 DATE/TIME AN	VALYZED	DILUTION
METHOD	DESCRIPTION	1	72138	LUEL DI	11(4)	••••••••••••••••••••••••••••••••••••••		
SW846 5030(5mL	5030 5 mL Purge Prep Acid Digestion, Total Recoverable (ICAP)	i	71352			07/06/2004	0845	
EPA 200.7	Cyanide, Total	1	71525			07/07/2004	0900	
SM18 4500CNE SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1 '	71492					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	71495					
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71639			07/06/2004	2203	
EPA 245.1	Mercury (CVAA)	1	71471 72144	71352		07/15/2004	1526	
EPA 200.7	Metals Analysis (ICP)	1	72176	71352		07/16/2004	1232	
EPA 200.7	Metals Analysis (ICP) Organochlorine Pesticide Analysis	1	, , , ,					
SW846 8081A	PCB Analysis	1	72326			07/13/2004		1.064
SW846 8082 'AC 10210001A	Phenolics, Total Recoverable	1	72001			07/14/2004	0251	
AC TOZIOGOTA	Quality Assurance Services	1						
QA Services	Quality Assurance Services	1	72227					
QA Services	Quality Assurance Services	1	72353 72368			07/12/2004	2309	1
SW846 8270C	Semivolatile Organics	1	72228			•., . <b>_</b> ,		
SW846 8260B	Volatile Organics	•						
Lab ID: 237960-19	Client ID: MW-11A	Date Re	cvd: 07/	02/2004	Sample	Date: 06/30/20 DATE/TIME AN	104 141 yzph	DILUTION
METHOD	DESCRIPTION			PREP BT	#(5)	DATE/ITHE A	INLIZED	pitolion
SW846 5030(5mL	5030 5 mL Purge Prep	1	72138 71352			07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71525			07/07/2004	0900	
SM18 4500CNE	Cyanide, Total Extraction Sep. Funnel (Chior.Pest)	1	71492					
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	71495					
SW846 3510C SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71639	•	•	07/0//200/	2205	•
EPA 245.1	Mercury (CVAA)	1	71471	71750		07/06/2004 07/15/2004	1530	
EPA 200.7	Metals Analysis (ICP)	1 1	72144 72176	71352 71352		07/16/2004	1235	
EPA 200.7	Metals Analysis (ICP)	1	12110	11376		017 (27 200 )		
SW846 8081A	Organochlorine Pesticide Analysis	i	72326			07/13/2004		1.01
SW846 8082	PCB Analysis Phenolics, Total Recoverable	i	72001			07/14/2004	0251	
LAC 10210001A	Quality Assurance Services	1						
QA Services QA Services	Quality Assurance Services	1	72227				•	
QA Services	Quality Assurance Services	1	72353			07/12/2004	2345	1
SW846 8270C	Semivolatile Organics	1	72368 72228			0// 12/2004	4949	•
SW846 8260B	Volatile Organics	1	12220					
	Client ID: MW-11B	Date Re	cvd: 07/	02/2004	Sample	Date: 06/30/20	004	
Lab ID: 237960-20	DESCRIPTION ·	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME AN	IALYZED	DILUTION
METHOD SW846 5030(5mL	5030 5 mi Purge Prep	1	72138			07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	71352			07/05/2004	0900	
SM18 4500CNE	Cyanide, Jotal	1	71838 71492			_		i n
SW846 3510C	Extraction Sep. Funnel (Chior.Pest)	ī	1 1476			U	<b>)00</b> 5	E
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NJDEP 73015

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## LABORATORY CHRONICLE

Job Number: 237960

Date: 07/22/2004

		PROJECT: COOPER	0310025	р	ATTN: Mark Sc	humacher	
customer: Integre	yted International, LLC	PROJECTI COUFER	03,0023				
Lab ID: 237960-20 METHOD	Client ID: MW-11B DESCRIPTION	Date Re RUN#	ecvd: 07/ BATCH#	02/2004 PREP BT	Sample Date: 06/30/ #(S) DATE/TIME	2004 ANALYZED	DILUTION
SV846 3510C	Extraction Sep. Funnel (PC8s)	1	71495				
SW846 3510C	Extraction Sep. Funnet (SVOC)	1	71639 71471		07/06/2004	2207	
EPA 245.1	Mercury (CVAA)	1 1	72144	71352	07/15/2004		2.000
EPA 200.7	Metals Analysis (ICP)	1	72176	71352	07/16/2004	1239	2.000
EPA 200.7	Metals Analysis (ICP)	i					
SW846 8081A	Organochlorine Pesticide Analysis PCB Analysis	1	72326		07/13/2004		1.064
SW846 8082 LAC 10210001A	Phenolics, Total Recoverable	1	72001		07/14/2004	0251	
QA Services	Quality Assurance Services	1	~~~~				
QA Services	Quality Assurance Services	1 1	7222 <b>7</b> 72353		•		•
QA Services	Quality Assurance Services	i	72368		07/13/2004	0020	1
SW846 8270C	Semivolatile Organics	<b>i</b>	72228				
SW846 8260B	Volatile Organics	-					
Lab ID: 237960-21	Client ID: W-3S	Date Re	cvd: 07/	02/2004	Sample Date: 07/01/	2004	DILUTION
METHOD	DESCRIPTION			PREP BT	#(S) DATE/TIME	ANALIZED	DIEGITOR
SW846 5030(5mL	5030 5 mL Purge Prep	. 1	72138 71352		07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP	) 1 1	71838		07/09/2004		
SM18 4500CNE	Cyanide, Total	i	71492		•		
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest) Extraction Sep. Funnel (PCBs)	1	71495	•			
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	71639		AT 101 10001	2200	
N846 3510C PA 245.1	Mercury (CVAA)	1	71471		07/06/2004 07/15/2004		5.000
EPA 200.7	Metals Analysis (ICP)	1	72144	71352	07/16/2004		5.000
EPA 200.7	Metals Analysis (ICP)	1	72176	71352	0//10/2004	, , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
SW846 8081A	Organochlorine Pesticide Analysis	1	72326		07/13/2004	i	1.064
SW846 8082	PCB Analysis	1	72001		07/14/2004	0251	
LAC 10210001A	Phenolics, Total Recoverable Quality Assurance Services	1	·				
QA Services QA Services	Quality Assurance Services	1	72227				
QA Services	Quality Assurance Services	1	72353		07/13/2004	0055	1
SW846 8270C	Semivolatile Organics	1	72368 72228		0// 15/2004	0033	•
SW846 8260B	Volatile Organics	1	12220				
	Client ID: Trip Blank	Date Re	ecvd: 07/	02/2004	Sample Date: 07/01/	2004	B * 1     T   O   1
Lab ID: 237960-22	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME	ANALYZED	DILUTION
METHOD SW846 5030(5mL	5030 5 mL Purge Prep	1	72138				
QA Services	Quality Assurance Services	1	72227 72228				
SW846 8260B	Volatile Organics	1	1220				
	-11 1D	Date Re	ecvd: 07/	02/2004	Sample Date: 06/30/	2004	
Lab ID: 237960-23	Client ID: MW-12 DESCRIPTION	RUN#	BATCH#	PREP BT	#(S) DATE/TIME	ANALYZED	DILUTION
METHOD SW846 5030(5mL	5030 5 ml Purge Prep	1	72138		07/06/2004	0845	
EPA 200.7	Acid Digestion, Total Recoverable (ICAF	2) 1	71352		07/09/2004		
SM18 4500CNE	Cvanide, Total	1	71838 71492		01/0//200	• • • • • • • • • • • • • • • • • • • •	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	71495				
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	71639				
SW846 3510C	Extraction Sep. Funnel (SVOC) Mercury (CVAA)	i	71471		07/06/2004		
EPA 245.1	Metals Analysis (ICP)	1	72144	71352	07/15/2004		
EPA 200.7 EPA 200.7	Metals Analysis (ICP) ·	1	72176	71352	07/16/2004	1647	
SW846 8081A	Organochlorine Pesticide Analysis	1	72326		07/13/2004	·	1.064
SW846 8082	PCB Analysis	1	72326 72001		07/14/2004		
LAC 10210001A	Phenolics, Total Recoverable	1	,			001	C.
QA Services	Quality Assurance Services	•			00		JB
i,							

Job Number: 237960

Date: 07/22/2004

ATTN: Mark Schumacher PROJECT: COOPER 0310025P CUSTOMER: InteGreyted International, ELC Date Recvd: 07/02/2004 Sample Date: 06/30/2004 RUN# BATCH# PREP BT #(\$) DATE/TIME ANALYZED Client ID: MW-12 DILUTION Lab ID: 237960-23 DESCRIPTION METHOD 1 72227 Quality Assurance Services Quality Assurance Services QA Services 7235**3** QA Services 0131 07/13/2004 72368 1 Semivolatile Organics SW846 8270C 72228 Volatile Organics SW846 8260B

000047

M-NY049

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V.50 No.3, January 4, 1985.
- Federal Register, V.49, No. 209, October 26, 1984.
- "Methods for the Determination of Organic Compounds in Drinking Water EPA/600/4-88/039, December 1988.
- Volatile Organic Compounds in Water by Purge and Trap Capillary Column Gas Chromatography With Photoionization and Electrolytic Conductivity Detectors in Series, EMSL, Cincinnati, Ohio, 45268, Revision 2.0(1989).
- EPA Method for the Determination of Gasoline Range Organics, Draft, REV. 5, 2/5/92.
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol. 1, October 1995.
- USEPA CLP SOW for Organics Analysis Low Concentration Water
- USEPA CLP SOW for Organics Analysis Multi-Media, Multi-Concentration

000018

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V. 50 No. 3, January 4, 1985.
- "Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.
- EPA Method for the Determination of Diesel Range Organics, Draft, Rev. 5, 2/5/92.
- "New York State Department of Environmental Conservation Analytical Services Proticol, Vol. 1, October 1995.
- "Analysis of Extractable Total Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection", Environmental Research Institute, University of Connecticut, March 1999.
- " Analytical Handbook for the Laboratory of Organic Analytical Chemistry", Wadsworth Center for Laboratories and Research, New York State Department of Health, August 1991.

000049

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983.
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- Federal Register, V.49, No.209, October 26, 1984.
- "Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.
- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol. 1, October 1995.

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M-NY049

- THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING REFERENCES:
- "Methods for Chemical Analysis of Water and Wastewater", EPA-600/4-79-020, March 1983
- "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992
- Atomic Absorption Furnace Technique
- "Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition, September 1986 with all current revisions.
- "Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

## HACH8000 1979 Handbook

- "New York State Department of Environmental Conservation Analytical Services Protocol, Vol.2, October 1995.
- "Determination of Cyanide" (Macro Distillation Method in Waters), QUIK CHEM Method 10-204-00-1-A, Karin Wendt, Revised June 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218
- "Determination of Nitrate/Nitrite in Surface and Wastewaters by Flow Injection Analysis", QUICK CHEM Method 10-107041A, Karin Wendt, Revised June 24, 1997, Zellweger Analytics, Milwaukee, Wi. 53218
- "Determination of Total Recoverable Phenols by Flow Injection Analysis Colorimetry", QUIK CHEM Method 10-210-00-1-A, Ninglan Liao, Revised August 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218.
- "Determination of Nitrogen, Total Kjeldahl by Flow Injection Analysis Colorimetry" QUIK CHEM Method 10-107-06-2-D, Kevin Switala, Revised October 7, 1997, Lachat Instruments, Milwaukee, Wi 53218.

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"American Society for Testing and Materials."

000021

Client: Integreyted International Date: 07/21/04 STL Lab No.: 237960 Page 1 of 5

#### Volatiles |

## Sample Dilution

The following samples were initially diluted at the indicated amount due to suspected high concentrations of method analytes:

MW-6A (237960-08): 5x

The following sample was diluted at the indicated amount due to compounds that exceed the linear calibration range:

MW-1NDL (237960-03DL): 5x

## Matrix Spike/Matrix Spike Duplicate

The percent recovery for benzene in client ID VBSPK015 falls outside the acceptable limits.

#### Semi-Volatiles

#### Extraction

Several samples were extracted using less than 1000mls.

Sample MW-6A (237960-008) was concentrated to a final volume of 5mls.

## Sample Dilution

Due to the matrix, sample MW-6A was initially diluted and analyzed at the indicated amount.

## Surrogate Recovery

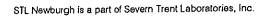
The surrogate recovery for several samples is outside the acceptable limits. As per the protocol, the samples were either: re-extracted, re-analyzed or analyzed as a dilution.

## Matrix Spike/Matrix Spike Duplicate

There was insufficient sample received to prepare an actual sample matrix spike/matrix spike duplicate for laboratory number 237960. The MS/MSD was prepared using laboratory tap water.

The percent recovery for several compounds in client ID ZZZZZZ33MS/MSD falls outside the acceptable limits.

000003





## Client: Integreyted International

<u>Date:</u> 07/21/04 <u>STL Lab No.:</u> 237960

Page 2 of 5

The percent recovery for several compounds in client ID MW-7MS/MSD falls outside the acceptable limits.

### Sample Blank Spike

The percent recovery for: several compounds in sample blank spike SBSPK33, SBSPK34 and SBSPK37 falls outside the acceptable limits.

#### Internal Standards

Several samples contain internal standard area counts outside the acceptable limits. As per the protocol, the samples were either re-analyzed or analyzed as a dilution.

#### Pesticides/PCB's

## Sample Extraction

Several samples were extracted using less than 1000ml.

#### 8081A

#### Surrogate Recovery

Several samples contain surrogate recovery that is outside of the advisory control limits on both analytical columns.

### Blank Spike

The percent recovery of gamma-BHC and aldrin in PBSPK22 is outside of the acceptable control limits.

## Matrix Spike/Matrix Spike Duplicate

The matrix spike/matrix spike duplicate extracted on 07/06/04 was performed on another sample analyzed at the same time as laboratory number 237960.

The percent recovery of gamma-BHC in ZZZZZMS(237872-05MS) is outside of the acceptable control limits.

The percent RPD of gamma-BHC and aldrin in ZZZZZMS/MSD(237872-05MS/MSD is outside of the acceptable control limits.

The percent RPD of gamma-BHC in MW-8BMS/MSD(237960-15MS/MSD) is outside of the acceptable control limits.

## Continuing Calibration

The percent RPD of endrin in the continuing calibration standard PEST @ 20 analyzed on 07/13/04 on the RTx-CLPest column is outside of the acceptable control limits.

000063



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# Client: Integreyted International <u>Date:</u> 07/21/04 STL Lab No.: 237960

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The percent RPD of several compounds in the continuing calibration standard PEST @ 20 analyzed on 07/13/04 on the RTx-CLPest2 column is outside of the acceptable control limits.

#### 8082

## Surrogate Recovery

Several samples contain surrogate recovery that is outside of the advisory control limits on both analytical columns.

## Matrix Spike/Matrix Spike Duplicate

The matrix spike/matrix spike duplicate extracted on 07/06/04 was performed using tap water.

The percent recovery of aroclor 1242 in MW-8BMSD(237960-15MS) is outside of the acceptable control limits. However, please note the associated blank spike contains acceptable recoveries.

## Continuing Calibration

The percent RPD of some aroclor peaks in the continuing calibration standard AR166009 analyzed on 07/9/04 on both analyteial columns is outside of the acceptable control limits.

The percent RPD of multiple aroclor peaks and surrogate standards in the continuing calibration standards AR166007, AR166009 and AR166010 analyzed on 07/12/04-07/13/04 on both analytical columns is outside of the acceptable control limits.

## Retention Time Shift

A retention time shift was noted for decachlorobiphenyl on 07/13/04 on DB-5 column.

## Inorganics

#### **ICP**

## Continuing Calibration Blank

The concentration of aluminum and iron in the CCB1, CCB3 and CCB5 analyzed on 7/15/04 is greater than the CRDL. However, these parameters are not being reported from this analytical run.

The concentration of aluminum and iron in the CCB1 and CCB2 analyzed on 7/16/04 is greater than the CRDL. However, these parameters are not being reported from this analytical run.

000004

M-NY049



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Client: Integreyted International
Date: 07/21/04
STL Lab No.: 237960
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## Matrix Spike

The percent recovery of iron and silver in spike sample number MW-7MS (237960-13MS) is outside of the established control limits. The data is qualified accordingly.

The percent spike recovery of lead, iron selenium and silver in spike sample number MW-8BMS (237960-15MS) is outside of the established control limits. The data is qualified accordingly. A post digestion spike was analyzed for lead and selenium.

## Sample Dilution

The following samples were diluted at the indicated amount and reanalyzed due to the interference of calcium on the undiluted samples at a concentration above the linear range of the instrument:

MW-4B (237960-02): 2x MW-9A (237960-04): 2x MW-9B (237960-05): 2x MW-13 (237960-11): 5x W-2S (237960-12): 2x MW-7 (237960-13): 2x

MW-7MD (237960-13MD): 2x

MW-7MS (237960-13MS): 2x

MW-7L (237960-13L): 2x MW-8B (237960-15): 2x

MW-8BMD (237960-15MD): 2x

MW-8BMS (237960-15MS): 2x

MW-8BL (237960-15L): 2x

MW-11B (237960-20): 2x

W-3S (237960-21): 5x

#### Selenium

Due to high concentrations of calcium in the samples which interferes with the graphite furnace analyses, the samples in laboratory number 237960 were analyzed for selenium by ICP. The client was notified and approved the selenium analyses by ICP.

000005



Client: Integreyted International
Date: 07/21/04
STL Lab No.: 237960
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#### Wet Chemistry

## Cyanide

## Matrix Spike/Duplicate

The matrix spike/duplicate associated with sample numbers 237960-01 through 237960-03 was performed on sample number ZZZZZ (237856-04).

#### **Phenols**

## Sample Dilution

The following sample was diluted for phenol at the indicated amount and reanalyzed due to the presence of phenol in the undiluted sample at concentration above the range of the instrument:

MW-N (237960-03): 20x

#### Other

Page number 7 has been intentionally omitted and is not an integral part of this data package.

000006

M-NY049



#### VOI ATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO
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	OT: N-		Contract:	MW-	4A		
		wburgh			0270	60	
Lab Code:	10142	Case No.:	_ SAS No.: S				
Matrix: (soil/v	vater)	WATER	Lab Sample ID:	237960	-001		
Sample wt/vo	ol:	5.0 (g/ml) <u>ML</u>	Lab File ID:	X8046.	D		
Level: (low/n		•	Date Received:	7/2/200	4		
% Moisture:			Date Analyzed:	7/12/20	04	_	
,•		ID: 0.25 (mm)	Dilution Factor:	1.0			
			Soil Aliquot Volu			 (uL)	
Soil Extract V	/olume:	(uL)				_ ' '	
			Units: (ug/L or นถู	g/Kg) <u>U(</u>	G/L		
CAS NO.		COMPOUND	RESUI	LT	Q		RL
74-87-3		Chloromethane			U		10
74-83-9		Bromomethane			U	ļ <u></u> .	10
75-01-4		Vinyl Chloride			U	<u> </u>	10
75-00-3		Chloroethane			U		10
75-09-2		Methylene Chloride			U_	ļ	10
67-64-1		Acetone		22			10
75-15-0		Carbon Disulfide			U		10
75-35-4		1,1-Dichloroethene			<u>U</u>	<del></del>	10
75-34-4		1,1-Dichloroethane			U		10
67-66-3		Chloroform		<del></del>	U		10 10
107-06-2		1,2-Dichloroethane			_ <del>U</del>		10
78-93-3		2-Butanone			U		10
108-05-4		Vinyl Acetate			U	<del></del>	10
71-55-6	<u> </u>	1,1,1-Trichloroethane			U		10
56-23-5		Carbon Tetrachloride			U		10
75-27-4	<u> </u>	Bromodichloromethane	<u></u>		U	<del></del>	10
78-87-5		1,2-Dichloropropane			Ü		10
10061-01-5	<u></u>	cis-1,3-Dichloropropene Trichloroethene			Ū		10
79-01-6				3	J		10
71-43-2 124-48-1		Benzene Dibromochloromethane			U		10
110-75-8		2-Chloroethylvinylether			UR		10
10061-02-6		trans-1,3-Dichloropropene			U		10
79-00-5		1.1.2-Trichloroethane			U		10
75-25-2		Bromoform			U		10
108-10-1		4-Methyl-2-Pentanone			U		10
591-78-6		2-Hexanone			U		10
127-18-4		Tetrachloroethene			U		10
79-34-5		1,1,2,2-Tetrachloroethane			U		10
108-88-3		Toluene			U	<del></del>	10
108-90-7		Chlorobenzene			<u>U</u>	<del></del>	10
100-41-4		Ethylbenzene			U		10

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100-42-5

541-73-1

106-46-7

95-50-1

1330-20-7

540-59-0

U

U

U

U

U

PA 68-378

3/90

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Styrene

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

Total-1,2-Dichoroethene

Xylenes, total

10

10

10

10

10

10

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMP	LE NO	<b>)</b> ,
MW-4A		

Lab Name:	STL Ne	wburgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 2379	60
Matrix: (soil/v	vater)	WATER	Lab Sample I	D: 237960-001	
Sample wt/vo	ol:	5.0 (g/ml) ML	Lab File ID:	X8046.D	
Level: (low/n		LOW	Date Receive	d: 7/2/2004	
% Moisture:	-		Date Analyze	d: 7/12/2004	
GC Column:		ID: 0.25 (mm)	Dilution Facto	or: 1.0	_
Soil Extract \		(uL)	Soil Aliquot V	olume:	(uL)
	•		CONCENTRATION UNIT	S:	
Number TiCs	s found:	1	(ug/L or ug/Kg) UG/L		
CAS NO.		COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	8.79	5	J

## VOLATILE ORGANICS ANALYSIS DATA SHEET

-	
	MW-4B
1	

EPA SAMPLE NO.

Lab Name:	STL No	ewburgh	Contract:	[		
Lab Code:		······································	SAS No.:	SDG N	o.: 23796	0
			Lab Sample			
Matrix: (soil/						<del></del>
Sample wt/v	ol:	5.0 (g/ml) ML				-
Level: (low/r	med)	LOW	Date Receiv	/ed: 7/2/2	004	<del>-</del>
% Moisture:			Date Analyz	ed: 7/12/	2004	<u></u>
* *			Dilution Fac	tor: 1.0		
		ID: <u>0.25</u> (mm)		-		- (uL)
Soil Extract \	Volume:	(uL)	Soil Aliquot			_ (uL)
			Units: (ug/L	or ug/Kg)	UG/L	·
			D	-01 II T	0	RL
CAS NO.		COMPOUND	Ki	ESULT	Q	116
74.07.2		Chloromethane			U	10
74-87-3		Bromomethane			U	10
74-83-9		Vinyl Chloride			U	10
75-01-4		Chloroethane			U	10
75-00-3		Methylene Chloride			U	10
75-09-2			-		U	10
67-64-1		Acetone			U	10
75-15-0		Carbon Disulfide			U	10
75-35-4		1,1-Dichloroethene			Ū	10
75-34-4		1,1-Dichloroethane			Ū	10
67-66-3		Chloroform	<u></u>		Ü	10
107-06-2		1,2-Dichloroethane			U	10
78-93-3		2-Butanone			U	10
108-05-4		Vinyl Acetate			Ü	10
71-55-6		1,1,1-Trichloroethane			U	10
56-23-5		Carbon Tetrachloride			U	10
75-27-4		Bromodichloromethane			U	10
78-87-5		1,2-Dichloropropane			U	10
10061-01-	5	cis-1,3-Dichloropropene			U	10
79-01-6		Trichloroethene				10
71-43-2		Benzene			U T	10
124-48-1		Dibromochloromethane			UR	10
110-75-8		2-Chloroethylvinylether			UN	10
10061-02-0	6	trans-1,3-Dichloropropene			U	10
79-00-5		1,1,2-Trichloroethane				10
75-25-2		Bromoform			<u>U</u>	10
108-10-1		4-Methyl-2-Pentanone			U	10
591-78-6		2-Hexanone		<del></del> -	U	10
127-18-4		Tetrachioroethene			U	10
79-34-5		1,1,2,2-Tetrachloroethane			U	10
108-88-3		Toluene			U	
108-90-7		Chlorobenzene			U	10
100-35 7		Ethylbenzene			U	10
100-42-5		Styrene			U	10,
541-73-1		1,3-Dichlorobenzene			U	10
106-46-7		1.4-Dichlorobenzene			U	10
95-50-1		1,2-Dichlorobenzene			U	10
1330-20-7		Xylenes, total			U	10
1330-20-7		7,101,001,101			U	10

SEVERN STL NYSDOH 10142

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STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/90 M-NY049

Total-1,2-Dichoroethene

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
MAY 4B	

Lab Name:	STL Ne	wburgh		Contrac	ot:		10100 -10		
Lab Code:	10142	<del>=</del>	se No.:	SAS	No.:	_ SDC	3 No.:	23798	0
Matrix: (soil/	water)	WATER	<del></del>		Lab Sample	ID: <u>2</u>	37960-0	002	
Sample wt/ve		5.0	(g/ml) ML	1	Lab File ID:	. <u>X</u>	8047.D		
Level: (low/r	•	LOW	:		Date Receiv	ed: <u>7</u> /	2/2004	<del> </del>	<u> </u>
% Moisture:			-	Ī	Date Analyz	ed: <u>7</u>	/12/200	4	
GC Column:		ID; 0.2	 25 (mm)	_ 1	Dilution Fact	or: 1	.0		_
Soil Extract \			(uL)	;	Soil Aliquot \	√olume	ə: <u> </u>		_ (uL)
				CONCENTR					
Number TIC	s found:	0	_	(ug/L or ug/k	(g) <u>UG/</u>	<u> </u>	<del></del>	<del></del>	
CAS NO.		COMPOU	ND NAME		RT	EST.	CONC		Q

3/90

M-NY049

NJDEP 73015

#### VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SA	MPLE NO.

	VOLATILE ORGANI	CO ANAL I DIO DATA	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	MW-1N		•
Lab Name:	STL Newburgh	Contract:				
Lab Code:	10142 Case No.:	SAS No	.: SDG	No.: <u>2379</u>	60	
Matrix: (soil/w	vater) WATER	Lab	Sample ID: 23	7960-003		
Sample wt/vol	l: 5.0 (g/ml)	ML Lat	File ID: X8	3059.D		
Level: (low/m	<del></del>		te Received: 7/2	2/2004	_	
% Moisture: n		Dat	ie Analyzed: 7/	13/2004	_	
	DB-624 ID: 0.25 (m		ution Factor: 1.0		_	
		•				ı
Soil Extract Vo	olume: (uL)		l Aliquot Volume		_ (uL)	
		Unit	ts: (ug/L or ug/K	g) <u>UG/L</u>		
CAS NO.	COMPOUND		RESULT	Q		RL
74-87-3	Chloromethane			U		10
74-83-9	Bromomethane			U		10
75-01-4	Vinyl Chloride	AL	<u></u>	<u>U</u>		10
75-00-3	Chloroethane		200	E		10
75-09-2	Methylene Chloride	<u> </u>		U		10
67-64-1	Acetone	·		U		10
75-15-0	Carbon Disulfide			U	<u> </u>	10
75-35-4	1,1-Dichloroethene			U	<u> </u>	· 10
75-34-4	1,1-Dichloroethane			U		10
67-66-3	Chloroform			U		10
107-06-2	1,2-Dichloroethane			U	-	10
78-93-3	2-Butanone			U		10
108-05-4	Vinyl Acetate			U		10
71-55-6	1,1,1-Trichloroethar			U		10
56-23-5	Carbon Tetrachlorid			<u>U</u>		10
75-27-4	Bromodichlorometh			U		10
78-87-5	1,2-Dichloropropane			<u>U</u>		10
<u> 10061-01-5</u>	cis-1,3-Dichloroprop	pene		U		10
79-01-6	<u>Trichloroethene</u>			U		. 10
71-43-2	Benzene		5	J		10
124-48-1	Dibromochlorometh			UR		10 10
110-75-8	2-Chloroethylvinyleti			U		10
10061-02-6	trans-1,3-Dichloropr			U		10
79-00-5	1,1,2-Trichloroethan	<u>ie</u>		U		10
75-25-2	Bromoform		<del></del>	U		10
108-10-1	4-Methyl-2-Pentanoi	ne		U		10
591-78-6	2-Hexanone			U	***	10
127-18-4	Tetrachloroethene			U		10
79-34-5	1,1,2,2-Tetrachloroe	thane		U		10
108-88-3	Toluene		20	<del>  '</del>	***************************************	10
108-90-7	Chlorobenzene		29	U		10
100-41-4	Ethylbenzene			U		10
100-42-5	Styrene	_		U		10
541-73-1	1,3-Dichlorobenzene		2			10
<u> 106-46-7</u>	1,4-Dichlorobenzene		3	J		10
95-50-1	1,2-Dichlorobenzene	<u> </u>	2	J		

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1330-20-7

540-59-0

Xylenes, total Total-1,2-Dichoroethene

10

10

3/00 M-NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO
MW-1N

Lab Name:	STL Ne	wburgh		Contrac	t:		
Lab Code:	10142		se No.:	SASI	No.:	SDG No.: 237	960
Matrix: (soil/		WATER		L L	_ab Sample	ID: <u>237960-003</u>	
Sample wt/vo		5.0	(g/ml) <u>ML</u>		ab File ID:	X8059.D	<u></u>
Level: (low/r		LOW	<u>-</u>	[	Date Receiv	red: 7/2/2004	<del></del>
% Moisture:				[	Date Analyz	ed: <u>7/13/2004</u>	
GC Column:		ID: 0.:	25 (mm)	1	Dilution Fact	tor: <u>1.0</u>	<del></del>
Soil Extract \			(uL)	5	Soil Aliquot \	Volume:	(uL)
Number TIC	s found:	1		CONCENTR (ug/L or ug/K	_		
CAS NO.		COMPOL	JND NAME		RT	EST. CONC.	Q
1		Unknown			8.78	6	J

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAN	<b>IPLE</b>	NO
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Lab Name:	STL Ne	wburgh		Contract:	MW-1NDL	
Lab Code:	10142	Ca	se No.:	SAS No.:	SDG No.: 237960	
Matrix: (soil/v	vater)	WATER	_	Lab Sample	e ID: 237960-003DL	
Sample wt/vo	ol:	1.0	(g/ml) ML	Lab File ID:	X8086.D	
Level: (low/n		LOW		Date Receiv	ved: 7/2/2004	
% Moisture: r	•	<u></u>	<del>-</del>	Date Analyz	zed: 7/14/2004	
GC Column:		ID: 0.2	25 (mm)	Dilution Fac	otor: 1.0	
Soil Extract V		<del></del>	(uL)	Soll Aliquot	Volume:	(uL)
—	•		<u> </u>	Units: (ug/L	or ug/Kg) UG/L	-

COMPOUND	RESULT	Q	RL
Chloromethane		U	50
		U	50
		U	50
	190	D	50
		U	50
	23	JD	50
		U	50
		U	50
		U	50
			50
			50
		U	50
	6	JD	50
Dibromochloromethane		U	50
		UR	50
			50
		U	50
		Ü	50
	32	JD	50
		U	50_
		U	50
		U	50
		Ū	50
	Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethane Chloroform 1,2-Dichloroethane 2-Butanone Vinyl Acetate 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Benzene Dibromochloromethane 2-Chloroethylvinylether trans-1,3-Dichloropropene 1,1,2-Trichloroethane Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene Xylenes, total Total-1,2-Dichoroethene	Chloromethane Bromomethane Vinyl Chloride Chloroethane Methylene Chloride Acetone Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane Chloroform 1,2-Dichloroethane 2-Butanone Vinyl Acetate 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloropropene Trichloroethene Benzene Dibromochloromethane 2-Chloroethylvinylether trans-1,3-Dichloropropene 1,1,2-Trichloroethane 2-Chloroethylvinylether trans-1,3-Dichloropropene 1,1,2-Trichloroethane 3-Hexanone Tetrachloroethene 1,1,2-Tetrachloroethane Toluene Chlorobenzene Styrene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene	Chloromethane

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. STL Newburgh 315 Fulle fron Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO
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MW-9A	
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Lab Name:	STL No	ewburgh	_ Contract:	_ Ľ		i
Lab Code:	10142	Case No.:	SAS No.:	SDG N	lo.: <u>2379</u>	60
Matrix: (soil/v	vater)	WATER	Lab Sample ID	: 2379	960-004	<del>_</del>
Sample wt/vo	ol:	5.0 (g/ml) ML	Lab File ID:	X80	60.D	
Level: (low/n		· ·	Date Received	: <u>7/2/2</u>	2004	<del></del>
			Date Analyzed:	7/13	/2004	_
		ID: 0.25 (mm)	Dilution Factor:	1.0		
			Soil Aliquot Vol			
Soll Extract V	/olume:	(uL)			-	_ ` `
			Units: (ug/L or	ug/Kg)	UG/L	<del></del>
CAS NO.		COMPOUND	RESU	JLT	Q	RL
74-87-3		Chloromethane			U	10
74-83-9		Bromomethane			U	10
75-01-4		Vinyl Chloride		<del>-</del>	U	10
75-00-3		Chloroethane			U	10
75-09-2		Methylene Chloride			U	. 10
67-64-1		Acetone		8	J_	10
75-15-0		Carbon Disulfide			U	10
75-35-4		1,1-Dichloroethene			U	10
75-34-4		1,1-Dichloroethane	·		U	10
67-66-3		· · · · · · · · · · · · · · · · · · ·			U	10
107-06-2		1,2-Dichloroethane			U	10 10
78-93-3		2-Butanone			U	10
108-05-4		Vinyl Acetate			U	10
71-55-6		1,1,1-Trichloroethane			U	10
56-23-5		Carbon Tetrachloride			U	10
75-27-4		Bromodichloromethane			U	10
78-87-5		1,2-Dichloropropane			U	10
10061-01-5		cis-1,3-Dichloropropene			U	10
79-01-6		Trichloroethene			U	10
71-43-2		Benzene			Ü	10
124-48-1		Dibromochloromethane			ŬR	. 10
110-75-8		2-Chloroethylvinylether		<del>-</del> -	U	10
10061-02-6		trans-1,3-Dichloropropene 1,1,2-Trichloroethane			Ŭ	10
79-00-5					Ü	10
75-25-2		Bromoform 4-Methyl-2-Pentanone			U	10
108-10-1		2-Hexanone			U	10
591-78-6		Tetrachloroethene			U	10
127-18-4		1,1,2,2-Tetrachloroethane			C	10
79-34-5 108-88-3		Toluene			U	10
108-90-7		Chlorobenzene			U	10
100-41-4		Ethylbenzene			U	10
100-41-4		Styrene			U	10
541-73-1		1,3-Dichlorobenzene			U	10
106-46-7		1,4-Dichlorobenzene			U	10
95-50-1		1,2-Dichlorobenzene			U	10
1330-20-7		Xylenes, total			U	10
540-59-0		Total-1,2-Dichoroethene			U	10

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3/00 M-NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAM	1PLE	NO.
MW-9A	•	

l -h blaması	STL Ne	whurah	Contract	<b>:</b>	14144-97	
Lab Name:	21 LIVE		<del></del> :		SDG No.: 2379	160
Lab Code:	10142	Case No.:				
Matrix: (soil/	water)	WATER	L	ab Sample	ID: <u>237960-004</u>	
Sample wt/ve		5.0 (g/ml) ML	L.	.ab File ID:	X8060.D	
Level: (low/r		LOW		Date Receive	ed: <u>7/2/2004</u>	
% Moisture:		***	Ε	Date Analyze	ed: 7/13/2004	<del>-</del>
GC Column:		ID: 0.25 (mm)	Γ	Dilution Fact	or: 1.0	
Soil Extract \		(uL)	8	Soil Aliquot \	/olume:	(uL)
			CONCENTR (ug/L or ug/K	_		
Number TIC	s found:	11	(ug/L or ug/1	9/		
CAS NO.		COMPOUND NAME		RT	EST. CONC.	Q
1 71-23		1-Propanoi		10.08	42	JN

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMP	LE	NO.

I -h Nomes	CTI N	oudu rah	Contract:	M	M-8R		
•		ewburgh			1 0070		
Lab Code:	10142	Case No.:				<u> </u>	
Matrix: (soil/w	ater)	WATER	Lab Sample II	): <u>237</u>	960-005		
Sample wt/vol	<b>!:</b>	5.0 (g/ml) ML	Lab File ID:	X80	61.D		
Level: (low/m			Date Received	i: <u>7/2/</u>	2004		•
% Moisture: no		<del></del>	Date Analyzed	; 7/13	/2004		
•			Dilution Factor			_	
_		ID: <u>0.25</u> (mm)	•				١
Soil Extract Vo	olume:	(uL)	Soil Aliquot Vo				<i>)</i>
			Units: (ug/L or	ug/Kg)	UG/L		
CAS NO.		COMPOUND.	RES	ULT	Q		RL
74-87-3		Chloromethane			U		10
74-83-9		Bromomethane			U	ļ	10
75-01-4		Vinyl Chloride			U	<u> </u>	10
75-00-3		Chloroethane			U	<del> </del>	10
75-09-2		Methylene Chloride			U	<del>  -</del>	10
67-64-1		Acetone			U	<del> </del>	10
75-15-0		Carbon Disulfide		1	J	ļ	10
75-35-4		1,1-Dichloroethene		-	U	<u> </u>	10
75-34-4		1,1-Dichloroethane			U	ļ	10
67-66-3		Chloroform			U		10
107-06-2		1,2-Dichloroethane			U	<u> </u>	10
78-93-3		2-Butanone			U		10
108-05-4		Vinyl Acetate			U	<u> </u>	10
71-55-6		1,1,1-Trichloroethane			U	<u> </u>	10
56-23-5		Carbon Tetrachloride			U		10
75-27-4		Bromodichloromethane			U		10
78-87-5	-	1,2-Dichloropropane			U		10
10061-01-5		cis-1,3-Dichloropropene			U		10
79-01-6		Trichloroethene			U		10
71-43-2		Benzene			U		10
124-48-1		Dibromochloromethane			U		10
110-75-8		2-Chloroethylvinylether			υR		10
10061-02-6		trans-1,3-Dichloropropene			n ,		10
79-00-5		1,1,2-Trichloroethane			U		10
75-25-2		Bromoform			U		10
108-10-1		4-Methyl-2-Pentanone			U	<u> </u>	10
591-78-6		2-Hexanone			U	ļ. <u></u>	10
127-18-4		Tetrachloroethene			U		10
79-34-5		1,1,2,2-Tetrachloroethane			U		10
108-88-3		Toluene			U		10
108-90-7		Chlorobenzene			U		10
100-41-4		Ethylbenzene			U		10
100-42-5		Styrene			U		10
541-73-1		1,3-Dichlorobenzene			U		10
106-46-7		1,4-Dichlorobenzene			U		10
95-50-1		1,2-Dichlorobenzene			U		10
540-59-0		Total-1,2-Dichoroethene			U		10
					11	Į	10

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FORM LYQA

EPA NY049

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PA 68-378

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## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	AMPLE	NO.
MW-98	3	

Lab Name:	STL Ne	wburgh	Contrac	et:		
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: 2379	960
Matrix: (soil/	water)	WATER	l	Lab Sample	ID: <u>237960-005</u>	
Sample wt/ve	oi:	5.0 (g/ml) ML		Lab File ID:	X8061.D	
Level: (low/r		LOW		Date Receiv	ed: 7/2/2004	
% Moisture:		· .	1	Date Analyze	ed: 7/13/2004	
GC Column:	DB-624	ID: 0.25 (mm)		Dilution Fact	or: <u>1.0</u>	
Soil Extract \	/olume:	(uL)	;	Soil Aliquot \	/olume:	(uL)
			CONCENTR	ATION UNI	TS:	
Number TIC	s found:	0	(ug/L or ug/K	(g) <u>UG/l</u>	<u>L</u>	
CAS NO		COMPOUND NAME		RT	EST. CONC.	Q

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO.
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RL

	·	VOLATILE O			MM	15	
Lab Name:	STL Ne	wburgh		Contract:			<u> </u>
Lab Code:	10142	Cas	se No.:	SAS No.:	SDG No	o.: <u>2379</u> 6	60
Matrix: (soil/	water)	WATER		Lab Sample I	D: <u>23796</u>	30-006	
Sample wt/v		5.0	(g/ml) ML	Lab File ID:	X806	2.D	
Level: (low/r		LOW		Date Receive	d: <u>7/2/2</u> 0	004	
% Moisture:			=	Date Analyze	d: <u>7/13/</u> 2	2004	
GC Column:		ID: 0.2	25 (mm)	Dilution Facto	or: <u>1.0</u>		_
Soil Extract \			(uL)	Soll Aliquot V	olume: _		(uL)
CON EXHIBIT			_ ` `	Units: (ug/L o	r ug/Kg)	UG/L	<del></del>
CAS NO.		COMPOUNI	D	RES	SULT	Q	
							1

	Total Manager	U	10
74-87-3	Chloromethane	Ü	10
74-83-9	Bioliforneriano	Ü	10
75-01-4	Vinyl Chloride	U	10
75-00-3	Chloroethane	· Ü	10
75-09-2	Methylene Chloride	U	10
67-64-1	Acetone	U	10
75-15-0	Carbon Disulfide	U	10
75-35-4	1,1-Dichloroethene	U	10
75-34-4	1,1-Dichloroethane		10
67-66-3	Chloroform	U	10
107-06-2	1,2-Dichloroethane	- U	10
78-93-3	2-Butanone	U	10
108-05-4	Vinyl Acetate		10
71-55-6	1,1,1-Trichloroethane	U	10
56-23-5	Carbon Tetrachloride	U	. 10
75-27-4	Bromodichloromethane	, . <u>U</u>	10
78-87-5	1,2-Dichloropropane	U	10
10061-01-5	cis-1,3-Dichloropropene	U U	10
79-01-6	Trichloroethene	U	
71-43-2	Benzene	U	10
124-48-1	Dibromochloromethane	U	10
110-75-8	2-Chloroethylvinylether	UR.	10
10061-02-6	trans-1,3-Dichloropropene	U	10
79-00-5	1,1,2-Trichloroethane	U	10
75-25 <b>-</b> 2	Bromoform	U	10
108-10-1	4-Methyl-2-Pentanone	U	10
591-78-6	2-Hexanone	U	10
127-18-4	Tetrachloroethene	U	10
79-34-5	1,1,2,2-Tetrachioroethane	U	10
108-88-3	Toluene	U	10
108-90-7	Chlorobenzene	U	10
100-41-4	Ethylbenzene	U	10
	Styrene	U	10
100-42-5	1.3-Dichlorobenzene	U	10
541-73-1	1,4-Dichlorobenzene	U	10
106-46-7	1,4-Dichlorobenzene	U	10
95-50-1		U	10
1330-20-7 540-59-0	Xylenes, total Total-1,2-Dichoroethene	U	10

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PA 68-378

STL Newburgh 315 Fulledon Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/90 M-NY049

## **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA :	SAMPLE	NO.
NAVA/	5	

Lab Name:	STL Ne	wburgh		Contra	ot:		
Lab Code:	10142	Case	No.:	SAS	No.:	SDG No.: <u>2379</u>	960
Matrix: (soil/v	vater)	WATER			Lab Sample	e ID: 237960-006	<del></del>
Sample wt/vo	ol:	5.0 (	g/ml) ML	<del>.</del>	Lab File ID:	X8062.D	·
Level: (low/n	ned)	LOW			Date Recei	ved: 7/2/2004	
% Moisture:	not dec.				Date Analyz	zed: 7/13/2004	
GC Column:	DB-624	ID: 0.25	 _ (mm)		Dilution Fac	otor: 1.0	<del></del>
Soil Extract V	/olume:		(uL)		Soli Aliquot	Volume:	(uL)
				CONCENTE	RATION UN	ITS:	
Number TICs	s found:	0		(ug/L or ug/h	(g) <u>UG</u>	<u>/L</u>	
CAS NO.		COMPOUN	NAME		RT	EST. CONC.	Q

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EPA	SAMF	'LE	NO.

	VOLATILE ORGANICS	ANALYSIS DATA SHEET MW-10	
Lab Name: S		Contract:	
Lab Code: 10	)142	SAS No.: SDG No.: 237960	
	er) WATER	Lab Sample ID: 237960-007	
	5.0 (g/ml) MI	L Lab File ID: X8078.D	
Level: (low/med		Date Received: 7/2/2004	
% Moisture: not	•	Date Analyzed: 7/14/2004	
·	3-624 ID: <u>0.25</u> (mm)	<del></del>	
Soil Extract Volu	ıme: (uL)	• • • • • • • • • • • • • • • • • • •	
		Units: (ug/L or ug/Kg) UG/L	
CAS NO.	COMPOUND	RESULT Q R	L.
74-87-3	Chloromethane	1	0
74-83-9	Bromomethane		0
75-01-4	Vinyl Chloride		0
75-00-3	Chloroethane		0
75-09-2	Methylene Chloride		0
67 <b>-</b> 64-1	Acetone		0
75-15 <b>-</b> 0	Carbon Disulfide		0
75-35-4	1,1-Dichloroethene		0
75-34-4	1,1-Dichloroethane	- U 10	
67-66-3	Chloroform	- U 1	
107-06-2	1,2-Dichloroethane	U 10	
78-93-3	2-Butanone	U 1	
108-05-4	Vinyl Acetate		
71-55-6	1,1,1-Trichloroethane Carbon Tetrachloride		
<u>56-23-5</u>	Bromodichloromethan		0
75-27-4	1,2-Dichloropropane	U 10	0
78-87-5 10061-01-5	cis-1,3-Dichloroproper	4/	0
79-01-6	Trichloroethene	U 10	0
71-43-2	Benzene	U 10	0
124-48-1	Dibromochloromethan	ne U 10	
110-75-8	2-Chloroethylvinylethe	r UR 10	
10061-02-6	trans-1,3-Dichloroprop	pene U 10	
79-00-5	1,1,2-Trichloroethane	U 10	
75-25-2	Bromoform	U 10	
108-10-1	4-Methyl-2-Pentanone	U 10	
591-78-6	2-Hexanone	U 10	
127-18-4	Tetrachloroethene	U 10	
79-34-5	1,1,2,2-Tetrachloroeth	ane U 10	
108-88-3	Toluene	U 10	
108-90-7	Chlorobenzene	U 10	
100-41-4	Ethylbenzene	U 10	
100-42-5	Styrene	<u> </u>	
541-73-1	1,3-Dichlorobenzene	U 10	
106-46-7	1,4-Dichlorobenzene	U 10	
95-50 <b>-</b> 1	1,2-Dichlorobenzene	U 10	
1330-20-7	Xylenes, total		
540-59-0	Total-1,2-Dichoroether	ne U 10	

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PA 68-378

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	١.
MW-10	

Lab Name:	STL Ne	wburgh	Contract	t:		
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: 23	7960
Matrix: (soil/	water)	WATER	L	ab Sample I	D: 237960-007	,
Sample wt/v		5.0 (g/ml) ML	L	ab File ID:	X8078.D	
Level: (low/i		LOW		Date Receive	ed: 7/2/2004	<u>.</u>
% Moisture:	-			Date Analyze	d: 7/14/2004	
GC Column:		ID: 0.25 (mm)		Dilution Facto	or: 1.0	- <del></del>
Soil Extract \		(uL)	S	Soll Aliquot V	olume:	(uL)
			CONCENTRA			
Number TIC	s found:	0	(ug/L or ug/K	g) <u>UG/L</u>	·	
CAS NO.		COMPOUND NAME		RT	EST. CONC.	Q

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M-NY049

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

<b>EPA</b>	SAMPL	E NO.
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Lab Name:	STL Ne	wburgh		Contract:	MVV-6A	
Lab Code:	10142	Cas	se No.:	SAS No.:	SDG No.: 237960	
Matrix: (soil/w	ater)	WATER	_	Lab Sample II	D: 237960-008	_
Sample wt/vo	1:	1.0	(g/ml) ML	Lab File ID:	X8103.D	
Level: (low/m	ned)	LOW		Date Receive	d: <u>7/2/2004</u>	
% Moisture: n	-		-	Date Analyze	d: 7/15/2004	
GC Column:		ID: 0.2	25_ (mm)	Dilution Facto	r: <u>1.0</u>	
Soil Extract Volume:				Soil Aliquot Vo	olume:	(uL)
			<del>_</del>	Units: (ug/L or	rug/Kg) <u>UG/L</u>	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	50
74-83-9	Bromomethane		U	50
75-01-4	Vinyl Chloride		U	50
75-00-3	Chloroethane		U	50
75-09-2	Methylene Chloride		U	50
67-64-1	Acetone	37	J	50
75-15-0	Carbon Disulfide		U	50
75 <b>-</b> 35-4	1,1-Dichloroethene		U	50
75-34-4	1,1-Dichloroethane		U	50
67-66-3	Chloroform		U	50
107-06-2	1,2-Dichloroethane		U	50
78-93-3	2-Butanone		. U	50
108-05-4	Vinyl Acetate		U	50
71-55-6	1,1,1-Trichloroethane		U	50
56-23-5	Carbon Tetrachloride		U	50
75-27-4	Bromodichloromethane		U	. 50
78-87-5	1,2-Dichloropropane		U	50
10061-01-5	cis-1,3-Dichloropropene		U	50
79-01-6	Trichloroethene		U	50
71-43-2	Benzene	10	J	50
124-48-1	Dibromochloromethane		U	50
110-75-8	2-Chloroethylvinylether		UR	50
10061-02-6	trans-1,3-Dichloropropene		U	50
79-00-5	1,1,2-Trichloroethane		U	50
75-25-2	Bromoform		U	50
108-10-1	4-Methyl-2-Pentanone		U	50
591-78-6	2-Hexanone		U	50
127-18-4	Tetrachloroethene		Ü	50
79-34-5	1,1,2,2-Tetrachloroethane		U	50
108-88-3	Toluene		U	50
108-90-7	Chlorobenzene		U	50
100-41-4	Ethylbenzene	9	J	50
100-42-5	Styrene		U	50
541-73-1	1,3-Dichlorobenzene		U	50
106-46-7	1,4-Dichlorobenzene		U	50
95-50-1	1,2-Dichlorobenzene		U	50
1330-20-7	Xylenes, total		U	50
540-59-0	Total-1,2-Dichoroethene		U	50

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## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	PLE	NO

28

23.81

Lab Name:	STL Ne	wburgh		Contrac	ot:	MW-6A	
Lab Code:			se No.:	SAS	No.:	SDG No.: 23	7960
Matrix: (soll/v		WATER			Lab Sample	ID: 237960-008	3
Sample wt/vo		1.0	(g/ml) ML		Lab File ID:	X8103.D	<del></del>
Level: (low/n		LOW	_		Date Receiv	red: 7/2/2004	<del></del>
% Moisture: r					Date Analyz	ed: 7/15/2004	
GC Column:	DB-624	ID: 0.2	25 (mm)		Dilution Fac	tor: 1.0	<del>.</del>
Soil Extract V	/olume:		(uL)	;	Soil Aliquot	Volume:	(uL)
Number TICs	s found:	3	_	CONCENTR (ug/L or ug/k			
CAS NO.		COMPOU	ND NAME		RT	EST. CONC.	Q
1.		Unknown			20.36	28	J
2.		Unknown C	nH2n+2		22.75	61	<u> </u>

Unknown

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA :	SAMPL	E NO.
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Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142	Cas	se No.:	SAS No.:	SDG No.: 237960	_
Matrix: (soil/v	water)	WATER	_	Lab Sample	le ID: 237960-009	_
Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	: X8079.D	
Level: (low/n		LOW	_	Date Recei	ived: 7/2/2004	
% Moisture: I	not dec.			Date Analy:	zed: 7/14/2004	
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilution Fac	ctor: 1.0	
Soil Extract Volume:				Soil Aliquot	t Volume: (	(uL)
			_	Units: (ug/L	or ug/Kg) UG/L	

CAS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane		U	10
74-87-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-01-4	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10 -
75-15-0 75-35-4	1,1-Dichloroethene		U	10
75-33 <del>-4</del> 75-34-4	1.1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1.2-Dichloroethane		U	10
78-93-3	2-Butanone		Ū	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		Ü	10
56-23-5	Carbon Tetrachloride		U	10
	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		υ	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		UR	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U.	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-90-7	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1.2-Dichlorobenzene		U	10
540-59-0	Total-1,2-Dichoroethene		U	10
1330-20-7	Xylenes, total		J	10

SEVERN STL NYSDOH 10142

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3/90 M-NY049

PA 68-378

COMPOUND NAME

## VOLATILE ORGANICS ANALYSIS DATA SHEET

		TENTATI	VELY IDENT	TIFIED COMPOUNI	os	MW-6B	
Lab Name:	STL Ne	wburgh		Contract:			
Lab Code:	10142	Cas	se No.:	SAS No.:	s	DG No.: 237960	
Matrix: (soil/v	vater)	WATER	_	Lab S	ample ID:	237960-009	
Sample wt/vo	ol:	5.0	(g/ml) ML	Lab F	ile ID:	X8079.D	
Level: (low/n	ned)	LOW	_	Date I	Received:	7/2/2004	
% Moisture: I	not dec.			Date A	Analyzed:	7/14/2004	
GC Column:	DB-624	ID: 0.2	25 (mm)	Dilutio	n Factor:	1.0	
Soil Extract V	/olume:		_ (uL)	Soil A	liquot Volu	me:	(uL)
				CONCENTRATIO	N UNITS:		
Number TICs	found:	0	<del></del> ,	(ug/L or ug/Kg)	UG/L		

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CAS NO.

EPA SAMPLE NO.

EST. CONC.

RT

PA 68-378

## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SAME	'LE	NO.

		Contract:	W-1S	ĺ
Lab Name: STL Ne	ewburgh		DON 00706	
Lab Code: 10142	Case No.:	_ SAS No.: S		<u> </u>
Matrix: (soil/water)	WATER	Lab Sample ID:	237960-010	<del></del>
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID:	X8080.D	_
Level: (low/med)		Date Received:	7/2/2004	_
		Date Analyzed:	7/14/2004	
% Moisture: not dec.		•		-
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:		-
Soll Extract Volume:	(uL)	Soil Aliquot Volu	me:	_ (uL)
		Units: (ug/L or u	g/Kg) <u>UG/L</u>	
			0	DI.
CAS NO.	COMPOUND	RESU		RL 
74-87-3	Chloromethane		<u>U</u>	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		UR	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		. U	10
540-59-0	Total-1,2-Dichoroethene		U	10

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## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAN	IPLE NO.
W-1S	

Lab Name:	STL Ne	wburah	Contrac	ot:	W-10		
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.:	237960	1
Matrix: (soil/		WATER		Lab Sample	ID: 237960-0	10	
Sample wt/vo		5.0 (g/ml) ML	, 	Lab File ID:	X8080.D		
Level: (low/r	•	LOW		Date Receiv	ed: <u>7/2/2004</u>		
% Moisture:	-		i	Date Analyz	ed: <u>7/14/200</u> 4	4	
GC Column:		ID: 0.25 (mm)	!	Dilution Fact	tor: <u>1.0</u>		
Soil Extract \		(uL)	;	Soil Aliquot \	Volume:		(uL)
			CONCENTR				
Number TICs	s found:	0	(ug/L or ug/r	· · · · · · · · · · · · · · · · · · ·			
CAS NO.		COMPOUND NAME		RT	EST. CONC	•	Q

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

	<del></del>	
-	141A/ 42	
	MW-13	

EPA SAMPLE NO.

1 1 1 1	OT! No	, sadas profits	Contract:	M	VV-13		
		ewburgh			10 . 0270	<u> </u>	
Lab Code:	10142	Case No.:	SAS No.:	SDG N	10.: 23/9	<del>00</del>	
Matrix: (soil/v	vater)	WATER	Lab Sample ID				•
Sample wt/vo	ol:	5.0 (g/ml) ML	Lab File ID:	X80	84.D	_	
Level: (low/n			Date Received	i: 7/2/2	2004	_	
· ·			Date Analyzed	· 7/14	/2004		
						<del></del>	
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Dilution Factor				
Soil Extract V	/olume:	(uL)	Soil Aliquot Vo	iume:		(uL)	
			Units: (ug/L or	ug/Kg)	UG/L		
CAS NO.		COMPOUND	RES	ULT	Q		RL
74-87-3	<del></del> -	Chloromethane			U	-	10
74-83-9		Bromomethane	<u> </u>		U_		10
75-01-4		Vinyl Chloride			U	ļ	10
75-00-3		Chloroethane			U		10
75-09-2		Methylene Chloride			U	· · · · · · · · · · · · · · · · · · ·	10
67-64-1		Acetone		4	J		<u>10</u> 10
75-15-0		Carbon Disulfide			U	<del> </del>	10
75-35-4		1,1-Dichloroethene			Ü		10
75-34-4		1,1-Dichloroethane	ì		U	<u> </u>	10
67-66-3		Chloroform			U	·	10
107-06-2		1,2-Dichloroethane			U		10
78-93-3		2-Butanone			U		10
108-05-4		Vinyl Acetate			Ū		10
71-55-6		1,1,1-Trichloroethane			Ū		10
56-23-5		Carbon Tetrachloride Bromodichloromethane			U		10 -
75-27-4		1,2-Dichloropropane			U		10
78-87-5	<del></del>	cis-1,3-Dichloropropene			U		10
10061-01-5 79-01-6	)	Trichloroethene	· · · · · · · · · · · · · · · · · · ·		U		10
79-01-6		Benzene			U		10
124-48-1		Dibromochloromethane			U		10
110-75-8	:	2-Chloroethylvinylether			UR		10
10061-02-6		trans-1,3-Dichloropropene			U		10
79-00-5		1.1.2-Trichloroethane			U		10
75-25-2		Bromoform			U		10
108-10-1	-	4-Methyl-2-Pentanone			U		10
591-78-6		2-Hexanone			U		10
127-18-4	ì	Tetrachloroethene			U		10
79-34-5		1,1,2,2-Tetrachloroethane			U		10
108-88-3		Toluene			U		10
108-90-7		Chlorobenzene			U		10
100-41-4		Ethylbenzene			U		10
100-42-5		Styrene		_	U		10 10
541 <b>-</b> 73-1		1,3-Dichlorobenzene			U		10
106-46-7		1,4-Dichlorobenzene			U	<b></b>	10
95-50-1		1,2-Dichlorobenzene			U		10
1330-20-7		Xylenes, total			<del></del>		10

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540-59-0

FORM LVOA CTDOHS PH-0554

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

Total-1,2-Dichoroethene

10

EPA NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

	SH	IAIL	<u></u>	NO	•
	_				
KALA/	40				

Lab Name:	STL Ne	wburgh		Contrac	st:		14144.10		
Lab Code:	10142	Ca	se No.:	SAS	No.:	SD0	3 No.:	2379	60
Matrix: (soil/v	vater)	WATER	10 <b>4</b>		Lab Sample	ID: 2	37960-0	)11	
Sample wt/vo	ol:	5.0	(g/ml) ML		Lab File ID:	X	8084.D		
Level: (low/r	ned)	LOW	_	5	Date Receiv	/ed: <u>7</u>	/2/2004		
% Moisture:			-		Date Analyz	ed: 7	/14/200	4	
GC Column:	DB-624	ID: 0.2	25 (mm)		Dilution Fac	tor: <u>1</u>	.0	·	
Soil Extract \	/olume:		(uL)	,	Soil Aliquot	Volume	ə:	<del></del>	_ (uL)
Number TICs	s found:	0		CONCENTR (ug/L or ug/k			_	÷	
CAS NO.		COMPOU	IND NAME		RT	EST.	CONC		Q

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## VOLATILE ORGANICS ANALYSIS DATA SHEET

W-2S		

EPA SAMPLE NO.

	Mr. Daniele	Contract:	W-2S	
Lab Name: STL	Newburgh			
Lab Code: 1014:	2 Case No.:	SAS No.: S	DG No.: 2379	160
Matrix: (soil/water)	WATER	Lab Sample ID:	237960-012	
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID:	X8085.D	_ <del>_</del>
Level: (low/med)		Date Received:	7/2/2004	
% Moisture: not dec		Date Analyzed:	7/14/2004	
		Dilution Factor:		
	24 ID: 0.25 (mm)	- Soil Aliquot Volu		
Soil Extract Volume	e: (uL)	•	<u></u>	
		Units: (ug/L or u	g/Kg) <u>UG/L</u>	<del></del>
CAS NO.	COMPOUND	RESU		RL
74-87-3	Chloromethane		<u> </u>	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyi Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		4 J	10 10
67-64-1	Acetone		4 J U	10
75-15-0	Carbon Disulfide		Ü	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		- <del>U</del>	10
67-66-3	Chloroform	· · · · · · · · · · · · · · · · · · ·	U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		Ü	10
108-05-4	Vinyl Acetate 1,1,1-Trichloroethane		Ū	10
71-55-6	Carbon Tetrachloride		U	10
56-23-5	Bromodichloromethane		U	
75-27-4 78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	- 10
110-75-8	2-Chloroethylvinylether		UR	10
10061-02-6	trans-1,3-Dichloropropene		<u> </u>	10
79-00-5	1,1,2-Trichloroethane		U	10 10
75-25-2	Bromoform		U ·	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		<del>-   U</del>	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		- U	10
108-90-7	Chlorobenzene		Ū	10
100-41-4	Ethylbenzene		Ū	10
100-42-5	Styrene 1,3-Dichlorobenzene		U	10
541-73-1	1,4-Dichlorobenzene		U	10
106-46-7 95-50-1	1,2-Dichlorobenzene		U	10
540-59-0	Total-1,2-Dichoroethene		U	10
340-33-0	Vulence total		U	10

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1330-20-7

PA 68-378

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tei (845) 562-0890 Fax (845) 562-0841

Xylenes, total

3/90

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	١.
W-2S	
207000	_

Lab Name:	STL Ne	wburah	Contrac	ot:	VV-20	
Lab Code:	10142	Case No.:	SAS	No.:	_ SDG No.: 23796	<u> </u>
Matrix: (soil/		WATER	<del></del>	Lab Sample	ID: 237960-012	
Sample wt/vo		5.0 (g/ml) ML		Lab File ID:	X8085.D	_
Level: (low/r		LOW	<del></del>	Date Receive	ed: 7/2/2004	<del></del>
% Moisture:				Date Analyze	ed: 7/14/2004	<del></del>
GC Column:		ID: 0.25 (mm)		Dilution Facto	or: <u>1.0</u>	_
Soil Extract Volume:		(uL)	;	Soil Aliquot V	olume:	_ (uL)
·			CONCENTR			
Number TIC:	s found:	0	(ug/L or ug/k	(g) <u>UG/L</u>		
CAS NO		COMPOUND NAME		RT	EST. CONC.	Q

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## **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA SAMPLE NO.
8410/ 7

Lab Name: STL Ne	ewburgh	Contract:		
Lab Code: 10142	Case No.:	_ SAS No.: S	DG No.: 23796	0
Matrix: (soil/water)	WATER	Lab Sample ID:	237960-013	<del></del>
Sample wt/vol:	5.0 (g/ml) ML	_ Lab File ID:	X8048.D	<del>-</del>
Levei: (low/med)	LOW	Date Received:	7/2/2004	<del>-</del>
% Moisture: not dec.		Date Analyzed:	7/12/2004	_
GC Column: DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.0	_
Soil Extract Volume:	(uL)	Soil Aliquot Volu	ıme:	_ (uL_)
		Units: (ug/L or u	g/Kg) <u>UG/L</u>	
CAS NO.	COMPOUND	RESU	LT Q	, KL
74-87-3	Chloromethane		<u> </u>	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		· U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1.1-Dichioroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		<u> </u>	. 10
78-87-5	1.2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chloroethylvinylether		UR	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		U	10

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3/00 M-NY049 PA 68-378

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
MW-7

Lab Name:	STL Ne	wburgh		Contra	ct:		
Lab Code:	10142		se No.:	SAS	No.:	_ SDG No.: 2	37960
Matrix: (soil/		WATER	<del></del>		Lab Sample	ID: 237960-0°	13
Sample wt/v		5.0	- (g/ml) ML		Lab File ID:	X8048.D	
Level: (low/i		LOW			Date Receiv	ed: <u>7/2/2004</u>	
% Moisture:			-		Date Analyz	ed: 7/12/2004	
GC Column:		ID: 0.2	 25 (mm)		Dilution Fact	tor: 1.0	
Soil Extract			 _ (uL)		Soil Aliquot	Volume:	(uL)
					RATION UNI		
Number TIC	s found:	0	. <u></u>	(ug/L or ug/l	Kg) <u>UG/</u>	<u> </u>	
CAS NO.		COMPOL	IND NAME		RT	EST. CONC.	_

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3/90

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	EPA	SA	MPI	Ε	NO
---------------	-----	----	-----	---	----

	MW-3N	
- 1		

Lab Name:	STL Ne	wburgh	_ Contract:		_			
Lab Code:	10142	Case No.:	_ SAS No.	: s	DG No.	: <u>23796</u>	0	
Matrix: (soil/v	water)	WATER		Sample ID:				
Sample wt/vo	ol:	5.0 (g/ml) ML	_	File ID:			_	
Level: (low/n	ned)	LOW		e Received:			_	
% Moisture:	not dec.			e Analyzed:			_	
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Dilu	tion Factor:	1.0		_	
		(uL)	Soil	Aliquot Volu	me: _		_ (uL)	
		•	Unit	s: (ug/L or u	g/Kg) L	JG/L		
CAS NO.		COMPOUND		RESU	LT	Q.		RL
74-87-3		Chloromethane				U		10 10
74-83-9		Bromomethane		<del>_</del>		U	<del></del>	10
75-01-4		Vinyl Chloride				U		10
75-00-3		Chloroethane						10
75-09-2		Methylene Chloride			10	U		10
67-64-1		Acetone			10	J		10
75-15-0		Carbon Disulfide	<u> </u>			U		10
75-35-4		1,1-Dichloroethene				U .		10
75-34-4		1,1-Dichloroethane				U	<del></del>	10
67-66-3		Chloroform				U		10
107-06-2		1,2-Dichloroethane			<del></del>	U	-	10
78-93-3		2-Butanone				Ü		10
108-05-4		Vinyl Acetate				U		10
71-55-6		1,1,1-Trichloroethane		<del> </del>	<del> -</del>	U		10
56-23-5				~		U		10
75-27-4				· <u>·</u>		U		10
78-87-5		1,2-Dichloropropane				Ü		10
10061-01-5	5	cis-1,3-Dichioropropene				U	.,	10
79-01-6		Trichloroethene				- <del>U</del>		10
71-43-2		Benzene				Ü		10
124-48-1		Dibromochioromethane				UR		10
110-75-8		2-Chloroethylvinylether				U	<u>·</u>	10
10061-02-6	3	trans-1,3-Dichloropropene			$\overline{}$	U		10
79-00-5		1,1,2-Trichloroethane				Ü		10
75-25-2		Bromoform				U		10
108-10-1		4-Methyl-2-Pentanone		<del></del>		- <del>U</del>		10
591-78-6		2-Hexanone				Ū		10
127-18-4		Tetrachloroethene	<del></del> -	<del>-</del>	-	Ū		10
79-34-5		1,1,2,2-Tetrachloroethane			1	J		10
108-88-3		Toluene			•	Ū		10
108-90-7		Chlorobenzene				Ū		10
100-41-4		Ethylbenzene				Ū		10
100-42-5		Styrene				U		10
541-73-1		1,3-Dichlorobenzene				Ü		10
106-46-7		1,4-Dichlorobenzene				Ū		10
95-50-1		1,2-Dichlorobenzene				Ū		10
1330-20-7		Xylenes, total Total-1.2-Dichoroethene				Ū		10
E40 50 0		LINGS TO THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE						

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NJDEP 73015 FOR WIDONS PA-0554

PA 68-378

3/00 M-NY049 STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPLE	N	O.
			_

TEMINIMENT IDENTIFIED COMPOSITOR						V4/V/-3V	MW-3N	
Lab Name: STL Newburgh			Contract:			10100-01	<del></del>	
Lab Code:	10142	Case No.:	SAS	No.:	_ SE	OG No.:	2379	60
Matrix: (soil/v	vater)	WATER		Lab Sample	ID:	237960-0	)14	
Sample wt/vol:		5.0 (g/ml) M	ı/ml) ML Lab File ID: X		X8049.D			
•		LOW		Date Receive	ed:	7/2/2004		W-1-1-1-
% Moisture: r	not dec.			Date Analyze	ed:	7/12/2004	4	
GC Column:	DB-624	ID: 0.25 (mm)		Dilution Fact	or:	1.0		
Soil Extract Volume:		(uL)	;	Soil Aliquot \	/olun	ne:		(uL)
			CONCENTR					
Number TICs	found:	0	(ug/L or ug/k	(g) <u>UG/</u> L	<u>-</u>			
CAS NO.		COMPOUND NAME		RT	EST	r, conc	<u>,                                    </u>	Q



3/00

M-NY049

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SAN	ИPL	Ε	NO.
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				•	IMW-	.8B
Lab Name:	STL Ne	wburgh		Contract:		
Lab Code:	10142	Cas	se No.:	SAS No.:	SDG No.:	237960
Matrix: (soil/v	vater)	WATER		Lab Sample II	D: <u>237960</u>	)-015
Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	X8050.	<u>D</u>
Level: (low/m	ned)	LOW		Date Receive	d: 7/2/200	)4
% Moisture: r	not dec.			Date Analyzed	d: <u>7/12/20</u>	)04
GC Column:	DB-624	ID: 0.2	5_ (mm)	Dilution Facto	r: <u>1.0</u>	
Soil Extract Volume: (uL)			Soll Aliquot Vo	(uL)		
				Units: (ug/L or	r ug/Kg) <u>U</u>	G/L
CAS NO.		COMPOUND	)	RES	SULT	Q

AS NO.	COMPOUND	RESULT	Q	RL
74-87-3	Chloromethane	· I	U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1.2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochioromethane		U_	10
110-75-8	2-Chloroethylvinylether		UR	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		U	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene	,	U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichiorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		U U	10
	STL Newburgh is a part of Se	evern Trent Laboratories, Inc.		\$ 315 Full
STL	DOH 10142 NJDEP 78015 FOR CIDONS PHOSS			Newburg



## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SA	MPLE NO.
MW-8B	

Lab Name:	STL Ne	wburgh	Contrac	ot:		
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: 23796	0
Matrix: (soil/	water)	WATER .	• 1	Lab Sample	ID: <u>237960-015</u>	
Sample wt/v	ol:	5.0 (g/ml) ML		Lab File ID:	X8050.D	<u></u>
Level: (low/r	med)	LOW	1	Date Receiv	red: 7/2/2004	_
% Moisture:	not dec.			Date Analyz	ed: 7/12/2004	_
GC Column:	DB-624	ID: 0.25 (mm)	l	Dilution Fac	tor: <u>1.0</u>	~~
Soil Extract \	/olume:	(uL)	;	Soil Aliquot	Volume:	_ (uL)
Number TIC	s found:	0	CONCENTR (ug/L or ug/K			
CAS NO.		COMPOUND NAME	:	RT	EST. CONC.	Q

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#### CS ANALYSIS DATA SHEET

EPA	SAMPL	E NO

VOLATILE ORGANICS ANALTS			1919 DATA	31 ILL 1	8.414	/-8A		
Lab Name:	STL Newburgh		Contract:					
Lab Code:	10142	Case No.:	_ SAS No.:	SI	OG No	o.: <u>2</u> 3796	0	
Matrix: (soil/w	ater) WATE	R	Lab	Sample ID:	23796	30-016	<u></u>	
Sample wt/vo	l: 5.0	(g/mi) ML	Lab	File ID:	X805	1.D	_	
Level: (low/m			 Date	Received:	7/2/20	004		
	,		Date	· Analyzed:	7/12/2	2004	-	
% Moisture: n				•			-	
GC Column:	DB-624 ID:	0.25 (mm)		ion Factor:				•
Soil Extract V	olume:	(uL)	Soil	Aliquot Volun	ne: _		_ (uL)	
			Units	s: (ug/L or ug	/Kg)	UG/L		
CAS NO.	COMPO	UND		RESUL	T	Q		RL
74.07.2	Chloro	methane	<del></del>			U		10
74-87-3 74-83-9		methane				U		10
75-01-4		hloride				· U		10
75-00-3	Chloro					U		10
75-09-2		ene Chloride				U		10
67-64-1	Aceton				7	J	_	10
75-15-0		Disulfide				U		10
75-35-4		hloroethene				U		10
75-34-4	1,1-Dic	hloroethane				U .		10
67-66-3	Chlorof	form			_	U		10
107-06-2	1,2-Dic	hloroethane				U		10
78-93-3	2-Butar	none				U		10
108-05-4	Vinyl A	cetate				U		10
71-55-6		richloroethane				U	-	10
56-23-5		<u>Tetrachloride</u>		<u></u>		U		10
75-27-4		dichloromethane	<u> </u>			U		<u>10.</u> 10
78-87-5		hloropropane				U		10
10061-01-5		Dichioropropene				U		10
79-01-6		roethene		<del></del>		U	•	10
71-43-2	Benzen					υ		10
124-48-1		ochloromethane				υR		10
110-75-8		oethylvinylether	<del></del>		<u> </u> -	U	·	10
10061-02-6		,3-Dichloropropene richloroethane				Ū		10
79-00-5	Bromof					Ū		10
75-25-2		yl-2-Pentanone		·	***	Ü		10
108-10-1	2-Hexa					U		10
591-78-6 127-18-4		ioroethene				U		10
79-34-5		Tetrachloroethane		<del></del>		U		10
108-88-3	Toluene		<del></del>			U		10
108-90-7		penzene				U		10
100-90-7	Ethylbe					U		10
100-41-4	Styrene					U		10
541-73-1		hlorobenzene				U		10
106-46-7		hlorobenzene				U		10

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95-50-1

1330-20-7

540-59-0

10

10

10

1,2-Dichlorobenzene

Total-1,2-Dichoroethene

Xylenes, total

U

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### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

İ	EPA SAMPLE NO.
	MW-8A

		•				10104-07	Ī
Lab Name:	STL Ne	wburgh	- 1447	Contra	ct:		
Lab Code:	10142	Cas	se No.:	SAS	No.:	SDG No.: <u>237</u>	960
Matrix: (soil/v	vater)	WATER	_	•	Lab Sample	ID: <u>237960-016</u>	
Sample wt/vo		5.0	(g/ml) ML		Lab File ID:	X8051.D	
Level: (low/n		LOW		<del>-</del>	Date Receiv	/ed: 7/2/2004	
% Moisture: r					Date Analyz	red: 7/12/2004	
GC Column:		ID: 0.2	 25 (mm)		Dilution Fac	tor: 1.0	<u>.</u>
Soll Extract V			(uL)		Soil Aliquot	Volume:	(uL)
Number TICs	e found:	1		CONCENTE	RATION UNI		
Nutriber 110s	s tourid.		<del>-</del>		<del></del>	<del> </del>	1
CAS NO.		COMPOU	ND NAME		RT	EST. CONC.	Q
1		C4H8O iso			11.48	48	J

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	٥.
	٦

	OTI N		Contract:	MW	V-2N		•
Lab Name:	STL NE		<del></del>	_	00700		
Lab Code:	10142	Case No.:	SAS No.: S				
Matrix: (soil/w	rater)	WATER	Lab Sample ID:	23796	30-017	<del></del>	
Sample wt/vo	l:	5.0 (g/ml) ML	Lab File ID:	X805	4.D	=	
Level: (low/m		_	Date Received:	7/2/20	004	_	
% Moisture: n			Date Analyzed:	7/13/2	2004	_	
• -		ID: 0.25 (mm)	Dilution Factor:	1.0			
			Soil Aliquot Volu			- (uL)	
Soil Extract V	olume:	(uL)					
			Units: (ug/L or u	g/Kg) .	UG/L		
CAS NO.		COMPOUND	RESU	LT	Q		RL
74-87-3		Chloromethane			U		10
74-83-9		Bromomethane			U		10
75-01-4		Vinyl Chloride		-	U		10
75-00-3		Chloroethane		<del>`</del> -}	U		10
75-09-2		Methylene Chloride			<u>U</u>		10
67-64-1		Acetone			U		10
75-15-0		Carbon Disulfide		<del></del> -	<u> </u>		10
75-35-4		1,1-Dichloroethene			U		10
75-34-4		1,1-Dichloroethane			U		10
67-66-3		Chloroform			<u>U</u>		10
107-06-2		1,2-Dichloroethane			<u> </u>		10
78-93-3		2-Butanone			U		10
108-05-4					U		10
71-55-6		1,1,1-Trichloroethane			U	-	10
56-23-5					<u> </u>		10
75-27-4		Bromodichloromethane			<u> </u>		10
78-87-5		·			U		10
10061-01-5		cis-1,3-Dichloropropene			<u> </u>		10 10
79-01-6		Trichloroethene		+	U		10
71-43-2		Benzene		6	J		10
124-48-1		Dibromochloromethane			UR		10
110-75-8		2-Chloroethylvinylether			U	·	10
10061-02-6		trans-1,3-Dichloropropene			U		10
79-00-5		1,1,2-Trichloroethane			Ü		10
75 <b>-</b> 25-2		Bromoform	<del>-</del>		U		10
108-10-1		4-Methyl-2-Pentanone			U		10
<u>591-78-6</u>		2-Hexanone			<del>-</del> <del>U</del> +		10
127-18-4		Tetrachloroethene			<del>-                                    </del>		10
79-34-5		1,1,2,2-Tetrachloroethane			Ü		10
108-88-3		Toluene		40			10
108-90-7		Chlorobenzene		70	U		10
100-41-4		Ethylbenzene		<del> -</del>	Ü		10
100-42-5		Styrene			Ü		10
541-73-1		1,3-Dichlorobenzene		8	J		10
106-46-7		1,4-Dichlorobenzene		1	J		10
95-50-1		1,2-Dichlorobenzene			Ü		10
1330-20-7		Xylenes, total		<del></del>	Ü	· ·	10
540-59-0		Total-1,2-Dichoroethene			<u> </u>		

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540-59-0

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### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.

	•	IENTAIL	AECT IDEM	HIFIED COM	00/100		MW-2	N	
Lab Name:	STL Ne	wburgh		Contra	ct:		1010 4 - 2		
Lab Code:	10142	Cas	se No.:	SAS	No.:	_ SE	G No.:	2379	960
Matrix: (soil/	water)	WATER	_	•	Lab Sample	ID:	237960-	017	
Sample wt/vo	ol:	5.0	(g/ml) ML	<u>.                                    </u>	Lab File ID:		X8054.E	)	
Level: (low/n		LOW			Date Receiv	/ed:	7/2/2004	ţ	
% Moisture:			-		Date Analyz	ed:	7/13/200	)4	<u></u>
GC Column:		ID: 0.2	25_ (mm)		Dilution Fac	tor:	1.0		·
Soil Extract \	/olume:		(uL)		Soil Aliquot	Volun	ne:		(uL)
Airmhor TIC	found	2		CONCENTS (ug/L or ug/i					
Number TICs	s toutiu.				T				
CAS NO.		COMPOU	ND NAME	-	RT	ES.	r, cond	۶.	Q
1.		trimethylbe	nzene Isom	юr	21.36		2		J
<del></del>			d honzona i		22 11		1	6 1	ا ال

PA 68-378

#### TILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE	NO.

	`	VULATILE ORGANICS ANA	ALTOID DATA ON ELL	FB			
Lab Name:	STL Ne			. L			
Lab Code:	10142	Case No.:	SAS No.: SI	OG No	o.: <u>23796</u>	)	
Matrix: (soil/		<del></del>	Lab Sample ID:				
		5.0 (g/ml) ML	Lab File ID:	X805	5.D	_	
-		· · · · · · · · · · · · · · · · · · ·	Date Received:	7/2/2	004		
Level: (low/			Date Analyzed:			-	
% Moisture:						-	
GC Column:	DB-624	ID: <u>0.25</u> (mm)	Dilution Factor:	1.0		-	
Soil Extract \	Volume:	(uL)	Soli Aliquot Volui	me: _		_ (uL)	
<b></b>			Units: (ug/L or ug	g/Kg)	UG/L		
CAS NO.		COMPOUND	RESUL	.T	Q		RL
74-87-3		Chloromethane			U		10
74-83-9		Bromomethane			U		10
75-01-4		Vinyl Chloride			U		10 10
75-00-3		Chloroethane		— <del></del>	U		10
75-09-2		Methylene Chloride			Ü		10
67-64-1		Acetone			Ü		10
75-15-0		Carbon Disulfide			Ū		10
75-35-4		1,1-Dichloroethene 1,1-Dichloroethane			U		10
75-34-4		Chloroform		8	J		10
67-66-3		1,2-Dichloroethane			U		10
107-06-2 78-93-3		2-Butanone			U		10
108-05-4		Vinyl Acetate			<u>U</u>		10
71-55-6		1,1,1-Trichloroethane			U		10
56-23-5		Carbon Tetrachloride			<u> </u>		10
75-27-4		Bromodichloromethane	<u>· · ·</u>				<u>10                                    </u>
78-87-5		1,2-Dichloropropane		<del></del>	U		10
10061-01-	5	cis-1,3-Dichloropropene			U		10
79-01 <b>-</b> 6		Trichioroethene			U		10
71-43-2		Benzene			- <del>U</del>		10
124-48-1		Dibromochloromethane			UR		10
110-75-8		2-Chloroethylvinylether trans-1,3-Dichloropropene		$\neg \neg$	U		10
10061-02-0	<u> </u>	1,1,2-Trichloroethane			U		10
79-00-5 75-25-2		Bromoform			U		10
108-10-1		4-Methyl-2-Pentanone			Ų		10
591-78-6		2-Hexanone			U		10
127-18-4		Tetrachloroethene			U		10
79-34-5		1,1,2,2-Tetrachloroethane			U		10
108-88-3		Toluene			U		10 10
108-90-7		Chlorobenzene			U		· 10
100-41-4		Ethylbenzene			U		10
100-42-5		Styrene			U		10
541-73-1		1,3-Dichlorobenzene			<del>- U</del> +		10
106-46-7		1,4-Dichlorobenzene			<del>-</del> U	_	10
95-50-1		1,2-Dichlorobenzene					10
1330-20-7		Xylenes, total Total-1,2-Dichoroethene			U		10
540-59-0		Total-1,4-Dictiorogniene					

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FORMOONSPA0554

PA 68-378

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841 3/90 M-NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.	
FB	

Lab Name:	STL Ne	wburah	•	Contra	act:	FB	
Lab Code:	10142		se No.:	SAS	3 No.:	SDG No.: 2379	960
Matrix: (soil/	water)	WATER			Lab Sample	ID: <u>237960-018</u>	
Sample wt/vo		5.0	(g/ml) ML		Lab File ID:	X8055.D	<del></del>
Level: (low/r		LOW			Date Receiv	red: 7/2/2004	
% Moisture:			_		Date Analyz	red: 7/13/2004	
GC Column:	DB-624	ID: 0.	25 (mm)		Dilution Fac	tor: 1.0	<del>_</del>
Soil Extract \	/olume:		(uL)		Soll Aliquot	Volume:	(uL)
Number TIC:	s found:	0	_	CONCENT (ug/L or ug	RATION UNI /Kg) <u>UG</u> /		
CAS NO.		COMPOL	JND NAME		RT	EST. CONC.	Q

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M-NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	EP/	AS	ΑM	IPL	E	Ν	C
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MW-11A	
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Lab Name: STL Ne	wburgh	Contract:		
	Case No.:		G No.: 23796	0
		Lab Sample ID: 2		
Matrix: (soll/water)				
Sample wt/vol:	5.0 (g/ml) ML	_		_
Level: (low/med)	LOW	Date Received: 7	12/2004	_
% Moisture: not dec.	<u>-</u>	Date Analyzed: 7	/13/2004	-
* -	ID: 0.25 (mm)	Dilution Factor: 1	.0	_
Soil Extract Volume:		Soll Aliquot Volum	e:	_ (uL)
SOII EXTRACT VOIGITIO.		Units: (ug/L or ug/		
		Offices (age = 5, age)		<del></del>
CAS NO.	COMPOUND	RESULT		RL
74-87-3	Chloromethane		U	<u>10</u> 10
74-83-9	Bromomethane		U	10
75-01-4	Vinyi Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride	110		10
67-64-1	Acetone	13		10 .
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene			10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		- <del>  0</del>	10
78-93-3	2-Butanone			10
108-05-4	Vinyl Acetate			10
71-55-6	1,1,1-Trichloroethane		<del>-   ŭ  </del>	10
56-23-5	Carbon Tetrachloride		U U	1.0
75-27-4	Bromodichloromethane		U U	10
78-87-5	1,2-Dichloropropane		<u> </u>	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		<del></del> +	10
71-43-2	Benzene		Ü	10
124-48-1	Dibromochloromethane		UR	. 10
110-75-8	2-Chloroethylvinylether		- U	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform  4 Method 2 Pontanone		U	10
108-10-1	4-Methyl-2-Pentanone 2-Hexanone		υ	10
591-78-6	Tetrachloroethene		U	10
127-18-4	1,1,2,2-Tetrachloroethane		U	10
79-34-5	Toluene	14	1	10
108-88-3	Chlorobenzene		U	10
108-90-7	Ethylbenzene	14	L	10
100-41-4	Styrene		U	10
100-42-5	1,3-Dichlorobenzene		U	10
541-73-1	1,4-Dichlorobenzene		U	10
106-46-7	1,2-Dichlorobenzene		U	10
95-50-1	Xylenes, total		U	10
1330-20-7	Tylerios, total		U	10

Total-1,2-Dichoroethene STL Newburgh is a part of Severn Trent Laboratories, Inc.



540-59-0

### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

	EPA SAMPI	_⊏	140	J.
Г				_
-	MW-11A			

Lab Name:	STL Ne	wburgh		Contrac	t:		
Lab Code:	10142		se No.:	SAS	No.:	_ SDG No.: 2379	)60
Matrix: (soil/v	vater)	WATER			_ab Sample	ID: <u>237960-019</u>	
Sample wt/vo	-	5.0	(g/ml) ML		_ab Flle ID:	X8056.D	<del></del>
Level: (low/n		LOW		ı	Date Receiv	ed: 7/2/2004	
% Moisture:			_	ŧ	Date Analyze	ed: 7/13/2004	
GC Column:		ID: 0.	25 (mm)	[	Dilution Fact	or: <u>1.0</u>	
Soil Extract \			(uL)	;	Soll Aliquot \	/olume:	(uL)
Number TICs	s found:	1	· 	CONCENTR (ug/L or ug/k			
CAS NO.		COMPOL	IND NAME		RT	EST, CONC.	Q
1.		Unknown			8.77	16	J

PA 68-378

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO
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Lab Name:	STL Ne	wburgh	Contract:	MW-11B
Lab Code:	10142	Case No.:	SAS No.: \$	SDG No.: 237960
Matrix: (soil/	water)	WATER	Lab Sample ID:	237960-020
Sample wt/v		5.0 (g/ml) ML	Lab File ID:	X8057.D
Level: (low/r		LOW	Date Received:	7/2/2004
% Moisture:	-		Date Analyzed:	7/13/2004
GC Column:	•	ID: 0.25 (mm)	Dilution Factor:	1.0
Soil Extract \		(uL)	Soil Aliquot Vol	ume: (uL)
			Units: (ug/L or ι	ıg/Kg) UG/L

CAS NO.	COMPOUND	RESULT	$\mathbf{Q}_{\perp}$	RL
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyl Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide		U	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		U	10
108-05-4	Vinyl Acetate		Ũ	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
	Bromodichioromethane		U.	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		U	10
124-48-1	Dibromochloromethane		U _	10
110-75-8	2-Chloroethylvinylether		UR	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform		U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachloroethene		<u>u</u>	10
79-34-5	1,1,2,2-Tetrachloroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene		U	10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		Ü	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
1330-20-7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		U	10

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PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET** TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
MW-11B	

Lab Name:	STL Ne	wburgh	Contrac	ot:		
Lab Code:	10142	Case No.:	SAS	No.:	_ SDG No.: 23796	60
Matrix: (soll/w	ater)	WATER		Lab Sample	ID: <u>237960-020</u>	
Sample wt/vo	l:	5.0 (g/ml) ML	<u> </u>	Lab File ID:	X8057.D	
Level: (low/m		LOW		Date Receive	ed: 7/2/2004	<del></del>
% Moisture: n				Date Analyze	ed: <u>7/13/2004</u>	· <del>····</del>
GC Column: DB-624		ID: <u>0.25</u> (mm)		Dilution Fact	or: 1.0	
Soil Extract V	olume:	(uL)		Soil Aliquot \	/olume:	_ (uL)
Number TICs	found:	0	CONCENTR (ug/L or ug/h			
CAS NO.	7	COMPOUND NAME		RT	EST. CONC.	Q

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3/QO M-NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	ONIVIE	.r=	NO.

		O and the state	W-3S	
Lab Name: STL N	lewburgh	_ Contract:	_	 
Lab Code: 10142	Case No.:			60
Matrix: (soil/water)	WATER	Lab Sample ID:	237960-021	<del></del>
	5.0 (g/ml) ML	Lab File ID:	X8099.D	_ <del>.</del>
Level: (low/med)	•	Date Received:	7/2/2004	
% Moisture: not dec		Date Analyzed:	7/15/2004	
		Dilution Factor:		<del></del>
	4 ID: <u>0.25</u> (mm)	Soil Aliquot Volu		— (uL)
Soil Extract Volume:	(UL)			_ (02)
		Units: (ug/L or ug	g/Kg) <u>UG/L</u>	<del></del>
CAS NO.	COMPOUND	RESUI	LT Q	RL
74-87-3	Chloromethane		<u>U</u>	10
74-83-9	Bromomethane		U	10
75-01-4	Vinyi Chloride		U	10
75-00-3	Chloroethane		<u>U</u>	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		<u>U</u>	10 10
75-15-0	Carbon Disulfide		<u> </u>	10
75-35-4	1,1-Dichloroethene		U U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		<u></u>	10
107-06-2	1,2-Dichloroethane			10
78-93 <b>-</b> 3	2-Butanone		<u> </u>	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		Ü	10
75-27-4			U	10
78-87-5	1,2-Dichloropropane		Ü	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene		Ü	10
124-48-1	Dibromochloromethane		UR	10
110-75-8	2-Chloroethylvinylether		— <del>  ŭ  </del>	10
10061-02-6	trans-1,3-Dichloropropene		U U	10
79-00-5	1,1,2-Trichloroethane		- U	10
75-25-2	Bromoform A Martin C Pontaneno		Ū	10
108-10-1	4-Methyl-2-Pentanone		Ū	10
591-78-6	2-Hexanone Tetrachioroethene		U	10
127-18-4	1,1,2,2-Tetrachloroethane		U	10
79-34-5	- <del></del>		U	10
108-88-3	Toluene Chlorobenzene		Ū	10
108-90-7	Ethylbenzene		U	10
100-41-4	Styrene		Ū	10
100-42-5	1,3-Dichlorobenzene		Ū	10
541-73-1	1,4-Dichlorobenzene		U	10
106-46-7	1,2-Dichlorobenzene		U	10
95-50-1	Xylenes, total		U	10
1330-20-7	Total-1,2-Dichoroethene		U	10
540-59-0	10101 112 210101001101			

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## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	AMPLE	NO.
W-3S		

Lab Name:	STL Ne	wburgh		Con	tract:		. I <u> </u>		
Lab Code:	10142		e No.:	S	AS No.:	si	OG No.:	23796	30
Matrix: (soil/		WATER			Lab Sampi	e ID:	237960-0	021	
Sample wt/v		5.0	(g/ml) ML		Lab File ID	:	X8099.D		_
Level: (low/r		LOW			Date Rece	ived:	7/2/2004	<u> </u>	
% Moisture:					Date Analy	zed:	7/15/200	4	_
		ID: 0.2	25 (mm)		Dilution Fa	ctor:	1.0		
GC Column: Soil Extract \			(uL)		Soil Aliquo	t Volu	me:		_ (uL)
				·=	ITRATION UN				•
Number TIC	s found:	0		(ug/L or t	ıg/Kg) <u>U</u> C		· · ·		<u>.</u> .
CASNO		COMPOL	IND NAME		RT	ES	T. CONC	٥	Q

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M-NY049

## VOLATILE ORGANICS ANALYSIS DATA SHEET

ΕPA	SAMPL	E NO
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TR	P	BL	Α	NK

Lab Name:	STL Ne	wburgh	_ Contract:		1411 152 1144		
Lab Code:			SAS No.:	SDG I	No.: 23796	0	
		<del>- · -</del>		ple ID: 237			
Matrix: (soll/w			·	<del>-</del>			
Sample wt/vo	ol:	5.0 (g/ml) ML	<del></del>	D: <u>X81</u>		-	
Level: (low/m	ned)	LOW	Date Rec	eived: 7/2/	/2004	_	
% Moisture: n			Date Ana	lyzed: 7/1	5/2004	_	
			Dilution F	actor: 1.0			
		ID: <u>0.25</u> (mm)				- (al \	
Soil Extract V	'olume:	(uL)	Soil Aliqu	ot volume:		_ (uL)	
			Units: (ug	<sub>I</sub> /L or ug/Kg	) <u>UG/L</u>		
				DECLUT	Q		RL
CAS NO.		COMPOUND		RESULT	Q		1 1/4
74 97 2		Chloromethane			U		10
74-87-3 74-83-9		Bromomethane			U		10
75-01-4		Vinyl Chloride			U		10
75-00-3		Chloroethane			U	···	10
75-09-2		Methylene Chloride			U		10
67-64-1		Acetone			U		10
75-15-0		Carbon Disulfide			U		10
75-15-0		1.1-Dichloroethene			U		10
75-34-4		1,1-Dichloroethane			U		10
67-66-3		Chloroform			U		<u>10</u>
107-06-2		1,2-Dichloroethane			U		10
78-93-3		2-Butanone			<u> </u>		10
108-05-4		Vinyl Acetate			U		10
71-55-6		1.1.1-Trichloroethane			U		<u> 10 </u>
56-23-5		a i Talas sistemida			U		<u> 10 </u>
75-27-4		Bromodichloromethane	•				<u>10</u>
78-87-5					U		10
10061-01-5		cis-1,3-Dichioropropene			U		10
79-01-6		Trichloroethene			U		10
71-43-2		Benzene			U		10
124-48-1		Dibromochloromethane			U		10
110-75-8		2-Chloroethylvinylether			UR		10
10061-02-6		trans-1,3-Dichloropropene			U		10
79-00-5	<del> </del>	1,1,2-Trichloroethane			U		10
75-25-2		Bromoform			U		10
108-10-1		4-Methyl-2-Pentanone			U		10
591-78-6		2-Hexanone			U		10
127-18-4		Tetrachloroethene			U		10
79-34-5		1,1,2,2-Tetrachloroethane			U		10
108-88-3		Toluene			U		10
108-90-7		Chlorobenzene			U		10
100-30-7		Ethylbenzene			U		10
100-41-4		Styrene			U		10
541-73-1		1,3-Dichlorobenzene			U		10
106-46-7		1,4-Dichlorobenzene			U		10
95-50-1		1,2-Dichlorobenzene			U		_10
1330-20-7		Xylenes, total			U		10
540-59-0		Total-1.2-Dichoroethene			U		10

NJDEP 73016 FOR MIDONS PH-0554

3/00 M-NY049

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

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### VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

<b>EPA</b>	SAMPL	E NO
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		IEMINI	IATE ( IDEIA	111 120 00:	00		TRIP E	NAIS	K	
Lab Name:	STL Ne	wburgh		Contrac	et:	_				j
Lab Code:	10142	Ca	se No.:	SAS	No.:	_ s	DG No.:	2379	60	
Matrix: (soil/v	vater)	WATER	_	ı	Lab Sample	ID:	237960-	022		
Sample wt/vo		5.0	(g/ml) ML	·	Lab Flle ID:		X8100.D	)	_	
Level: (low/n		LOW		[	Date Receiv	ed:	7/2/2004		_	
% Moisture:	·		_	Ī	Date Analyz	ed:	7/15/200	4	· 	
GC Column:	1	ID: 0.	25_ (mm)	. [	Dilution Fac	tor:	1.0		_	
Soil Extract V			(uL)	\$	Soll Aliquot	Volu	me:		_ (uL	-)
				CONCENTR	ATION UNI	TS:				
Number TICs	s found:	0	· 	(ug/L or ug/K	(g) <u>UG/</u>	<u>L</u>				
CAS NO.		COMPO	JND NAME		RT	ES	ST. CONC	<b>)</b> .	Q	

#### **VOLATILE ORGANICS ANALYSIS DATA SHEET**

EPA	SA	MPI	F	NO
$ \Gamma$ $\sim$		1418 F	_	110

RL

•		.00,,.22				BATAL A	3	1
Lab Name:	STL Ne	wburgh		Contract:	·	MW-1		]
Lab Code:	10142	Cas	se No.:	SAS No.:	_ SDO	3 No.:	237960	
Matrix: (soil/v	vater)	WATER		Lab Sample	ID: 2	37960-	023	
Sample wt/vo	ol:	5.0	(g/ml) ML	_ Lab File ID:	X	8058.L	<u> </u>	
_evel: (low/n	ned)	LOW		Date Receive	ed: 7	/2/2004	4	
% Moisture: r	not dec.			Date Analyze	ed: <u>7</u>	/13/200	04	
3C Column:	DB-624	ID: 0.2	5 (mm)	Dilution Fact	or: <u>1</u>	.0		
Soil Extract V	/olume:		(uL)	Soil Aliquot \	/olume	e:		(uL)
				Units: (ug/L o	or ug/k	(g) <u>UG</u>	G/L	_
CAS NO.	•	COMPOUND	)	RE	SULT	ı	Q	

CAS NO.	COMPOUND	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	
74-87-3	Chloromethane		U	10
74-83-9	Bromomethane		U	10
75-01-4	Vinvi Chloride		U	10
75-00-3	Chloroethane		U	10
75-09-2	Methylene Chloride		U	10
67-64-1	Acetone		U	10
75-15-0	Carbon Disulfide	1	J	10
75-35-4	1,1-Dichloroethene		U	10
75-34-4	1,1-Dichloroethane		U	10
67-66-3	Chloroform		U	10
107-06-2	1,2-Dichloroethane		U	10
78-93-3	2-Butanone		Ū	10
108-05-4	Vinyl Acetate		U	10
71-55-6	1,1,1-Trichloroethane		U	10
56-23-5	Carbon Tetrachloride		U	10
75-27-4	Bromodichloromethane		U	10
78-87-5	1,2-Dichloropropane		U	10
10061-01-5	cis-1,3-Dichloropropene		U	10
79-01-6	Trichloroethene		U	10
71-43-2	Benzene	6	J	10
124-48-1	Dibromochloromethane		U	10
110-75-8	2-Chioroethylvinylether		UR.	10
10061-02-6	trans-1,3-Dichloropropene		U	10
79-00-5	1,1,2-Trichloroethane		U	10
75-25-2	Bromoform	•	U	10
108-10-1	4-Methyl-2-Pentanone		U	10
591-78-6	2-Hexanone		U	10
127-18-4	Tetrachioroethene		U	10
79-34-5	1,1,2,2-Tetrachioroethane		U	10
108-88-3	Toluene		U	10
108-90-7	Chlorobenzene	42		10
100-41-4	Ethylbenzene		U	10
100-42-5	Styrene		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene	8	J	10
95-50-1	1,2-Dichlorobenzene	2	J	10
1330-20 <b>-</b> 7	Xylenes, total		U	10
540-59-0	Total-1,2-Dichoroethene		U	10

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NJDEP 73015 FORM CTDOHS PH-0554

3/00 M-NY049

PA 68-378

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

## VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EFA SAIVIFLE INU.
MW-12

Lab Name:	STL Ne	wburgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	SDG No.: 237	960
Matrix: (soil/w	ater)	WATER	Lab Sample II	D: <u>237960-023</u>	
Sample wt/vo	•	5.0 (g/ml) ML	Lab File ID:	X8058.D	<u></u>
Level: (low/m		LOW	Date Receive	d: 7/2/2004	
% Moisture: n	-		Date Analyzed	d: 7/13/2004	
GC Column:		ID: 0.25 (mm)	Dilution Facto	r: 1.0	
Soil Extract V		(uL)	Soll Aliquot Vo	olume:	(uL)
Number TICs	found:		NCENTRATION UNIT: /L or ug/Kg) UG/L		,
CAS NO.		COMPOUND NAME	RT	EST. CONC.	Q
		trimethylbenzene isomer	21.37	25	J
1.		othyl methyl benzene isome		17	J

#### 1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N	۷C	(		•		•	•																																																					•					•				•		•	•																	ĺ							ı							۱																													ı		ı							ľ		ı			
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Lab Name:	STL Ne	wburgh		Cor	tract:	WW-4A
Lab Code:	10142	Case	No.:	s	AS No.:	SDG No.: 237960
Matrix: (soil/v	vater)	WATER			Lab Sample I	D: 237960-001
Sample wt/vo		990.0 (9	ı/ml) M <u>L</u>		Lab File ID:	S30349.D
, Level: (low/n		LOW	<del></del>		Date Receive	d: 7/2/2004
% Moisture:	,	decan	ed:(Y/N)	N	Date Extracte	d: 7/6/2004
Concentrated	Extract	 Volume: 1000	) (uL)		Date Analyze	d: 7/8/2004
Injection Volu			<del></del>		Dilution Facto	r: <u>1.0</u>
GPC Cleanu	_	NpH	l:	-	Units: (ug/L or	rug/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
	2,2'-oxybis(1-Chloropropane)		U	10
108-60-1	2-Methylphenol		U	10
95-48-7	Hexachloroethane		U	10
67-72-1	N-Nitroso-di-n-propylamine		U	10
621-64-7			U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		Ū	10
88-75-5	2-Nitrophenol		Ü	10
105-67-9	2,4-Dimethylphenol		U ·	10
111-91-1	bis(2-Chloroethoxy)methane		Ü	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		U	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chloroaniline		<u> </u>	10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		<u>U</u>	51
95-95 <b>-</b> 4	2,4,5-Trichlorophenol		<del>U</del>	10
91-58-7	2-Chloronaphthalene		U	25
88-74-4	2-Nitroaniline			
208-96-8	Acenaphthylene		<u> </u>	10 10
131-11-3	Dimethylphthalate		<u>U</u>	10
606-20-2	2,6-Dinitrotoluene		<u>U</u>	
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	25
51-28-5	2,4-Dinitrophenol		U	25
132-64-9	Dibenzofuran		U	10
121-14-2	2 4-Dinitrotoluene	`	U	10
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SEVERN STL NYSDOH 10142

EPA NY049

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#### 1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.
-----	--------	-----

Lab Name:	STL Ne	wburgh	Contract		MW-4A
Lab Code:	10142	Case No.:		10.: S	DG No.: 237960
Matrix: (soil/	water)	WATER	٠ ـ ـ ـ	ab Sample ID:	237960-001
Sample wt/ve		990.0 (g/ml) ML	L	ab File ID:	S30349.D
Level: (low/r	ned)	LOW		ate Received:	7/2/2004
% Moisture:		decanted:(Y/N)	N C	ate Extracted:	7/6/2004
Concentrate	d Extract	Volume: 1000 (uL)		ate Analyzed:	7/8/2004

Dilution Factor: 1.0

Injection Volume: 2.0 (uL) Units: (ug/L or ug/Kg) UG/L GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	RESULT	Q	RL
400.00.7	4-Nitrophenol		UJ	25
100-02-7	Fluorene		U	10
86-73-7	4-Chlorophenyl-phenylether		Ū	10
7005-72-3			U	10
84-66-2	Diethylphthalate		U	25
100-01-6	4-Nitroaniline		U	25
534-52-1	4,6-Dinitro-2-methylphenol		U	10
86-30-6	n-Nitrosodiphenylamine (1)		Ū	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		Ü	25
87-86-5	Pentachlorophenol		Ü	10
85-01-8	Phenanthrene		Ü	10
120-12-7	Anthracene		Ü	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		Ü	10
85-68-7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benzo(a)anthracene		U U	10
218-01-9	Chrysene			10
117-81-7	bis(2-Ethylhexyl)phthalate	11	<i>ув U</i>	
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		<u> </u>	10
191-24-2	Benzo(g,h,i)perylene		U	10

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#### 1F

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO	).
MW-4A	

Lab Name:	STL Ne	wburah		0	ontract:	
Lab Code:	10142		ase No.:	<del></del>	SAS No.:	SDG No.: 237960
Matrix: (soil/v		WATER			Lab Sample II	D: <u>237960-001</u>
Sample wt/vo		990.0	 (g/ml) ML		Lab File ID:	S30349.D
Level: (low/n		LOW	_		Date Received	d: 7/2/2004
% Moisture:	,		_ canted: (Y/N)	N	Date Extracted	d: <u>7/6/2004</u>
Concentrated	Extract		1000 (uL)		Date Analyzed	i: 7/8/2004
Injection Volu					Dilution Factor	r: <u>1.0</u>
GPC Cleanu		N .	pH:	-		

### CONCENTRATION UNITS:

Number TICs found:	20	(ug/L or ug/Kg)	UG/L_

		· · · · · · · · · · · · · · · · · · ·		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown	9.03	88	J
	Unknown	9.43	3	J
2. 3. 000065-85-0	Benzoic Acid	9.89	19	JN_
	Unknown Cyclohexane	10.41	13	J
	Unknown	10.63	6	J
	Unknown	10.98	16	J
7.	C8H14 isomer	11.31	4	J
	Unknown	11.57	11	J
9.	C8H14 isomer	11.73	3	J
10, 000616-75-1	Benzylmalonic acid	11.94	3	JN
11.	Unknown	12.18	5	J
12.	Unknown	12.35	3	J
13.	C12H18O isomer	12.43	4	J
14.	Unknown	12.60	17	J
15.	Unknown	12.92	8	J_
16.	Benzene isomer	13.14	23	J
17.	Unknown	14.04	7	J
18.	Unknown	14.33	6	J
19.	Unknown CnH2nO	17.75	. 5	J
20.	Unknown	19.16	5	J

#### 1B

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPL	E NO
-----	-------	------

Lab Name:	STL Ne	wburah	С	ontract:	MW-4B
Lab Code:	10142	Case No.:		SAS No.: S	DG No.: 237960
Matrix: (soil/\	vater)	WATER		Lab Sample ID:	237960-002
Sample wt/vo	•	970.0 (g/ml) ML		Lab File ID:	S30350.D
Level: (low/n		LOW		Date Received:	7/2/2004
% Moisture:	•	decanted:(Y/N)	N_	Date Extracted:	7/6/2004
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed:	7/8/2004
Injection Volu				Dilution Factor:	1.0
GPC Cleanu		N pH:		Units: (ug/L or ug	g/Kg) <u>UG/L</u>

COMPOUND	RESULT	Q	RL
his(2-Chioroethyl)ether		U	10
		U	10
			10
			10
			10
			10
			10
			10
		U	10
		U	10
			10
			10
		U	10
		U.	10
		- U.	10
		U	10
			10
			10
		U	10
			52
			10
		U _	26
		U	10
		U	10
		U	10
		U	10
		U	26
		U	26
		U	10
		U	10
	bis(2-Chloroethyl)ether Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol 2,2'-oxybis(1-Chloropropane) 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 4-Methylphenol Nitrobenzene Isophorone	bis(2-Chloroethyl)ether Phenol 2-Chlorophenol 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene Benzyl alcohol 2,2'-oxybis(1-Chloropropane) 2-Methylphenol Hexachloroethane N-Nitroso-di-n-propylamine 4-Methylphenol Nitrobenzene Isophorone 2-Nitrophenol 2,4-Dimethylphenol bis(2-Chloroethoxy)methane 2,4-Dichlorophenol 1,2,4-Trichlorobenzene Naphthalene 4-Chloroaniline Hexachlorocyclopentadiene 4-Chloro-3-methylphenol 2-Methylnaphthalene Hexachlorocyclopentadiene 2,4,5-Trichlorophenol 2-Chloronaphthalene 2-Nitroaniline Acenaphthylene Dimethylphthalate 2,6-Dinitrotoluene Acenaphthene 3-Nitroaniline Acenaphthene 3-Nitroaniline Acenaphthene 3-Nitroaniline Acenaphthene 3-Nitroaniline Acenaphthene 3-Nitroaniline Acenaphthene 3-Nitroaniline Acenaphthene	bis(2-Chloroethyl)ether

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3/90<sub>1Y049</sub>

PA 68-378

#### 1C

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EFA OAN EE NO	EPA	SAM	PLE	NO.
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Lab Name:	STL Ne	wburgh	Co	ontract:	MIAA-4P
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/	water)	WATER		Lab Sample ID	); 237960-002
Sample wt/ve	ol:	970.0 (g/ml) ML		Lab File ID:	S30350.D
Level: (low/r		LOW		Date Received	: 7/2/2004
% Moisture:	,	decanted:(Y/N)	N	Date Extracted	i: <u>7/6/2004</u>
Concentrate	d Extract	Volume: 1000 (uL)		Date Analyzed	: <u>7/8/2004</u>
Injection Vol		.0 (uL)		Dilution Factor	: 1.0
GPC Cleanu		N pH:		Units: (ug/L or	ug/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		บ_ับ	26
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		U	26
85-01-8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butyiphthalate		U	10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		U	10
85-68-7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benzo(a)anthracene		U	10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate	1	ل∂ظر	10
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		U	10

3/90 M-NY049

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#### 1F

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

-	
	MW-4B

EPA SAMPLE NO.

Lab Name:	STL Ne	wburah		Contrac	t:		
Lab Code:	10142		se No.:	SAS	No.:	SDG No.: 23	7960
Matrix: (soil/		WATER	<del></del>	i	Lab Sample	ID: 237960-002	<u> </u>
Sample wt/v		970.0	(g/ml) <u>ML</u>	i	Lab File ID:	S30350.D	<del></del> .
Level: (low/)		LOW	•	!	Date Receiv	red: 7/2/2004	
% Moisture:	•	dec	= anted: (Y/N)    _	<u>N</u>	Date Extrac	ted: <u>7/6/2004</u>	
Concentrate	d Extract	 Volume:	1000 (uL)	 	Date Analyz	ed: 7/8/2004	
Injection Vol		•		1	Dilution Fac	tor: 1.0	
GPC Cleanu	p: (Y/N)	<u>N</u>	pH:				
				CONCE	NTRATION	UNITS:	
Number TIC	s found:	0	<del></del>	(ug/L or	ug/Kg)	UG/L	
CAS NUMI	BER	COMPO	JND NAME		RT	EST. CONC.	Q

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1B

EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	MW-1N
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Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142	Ca	ase No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/w	vater)	WATER	_		Lab Sample l	D: 237960-003
Sample wt/vo	ol:	920.0	(g/ml) ML		Lab File ID:	S30351.D
Level: (low/m	ned)	LOW			Date Receive	d: <u>7/2/2004</u>
% Moisture:	·	de	canted:(Y/N)	N	Date Extracte	d: 7/6/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyze	d: 7/8/2004
Injection Volu	me: 2.	0 (uL)			Dilution Facto	r: <u>1.0</u>
GPC Cleanup		N	pH:	_	Units: (ug/L o	r ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	11
541-73-1	1,3-Dichlorobenzene		U	11
106-46-7	1,4-Dichlorobenzene	1	J	11
95-50-1	1,2-Dichlorobenzene		U	11
100-51-6	Benzyl alcohol	,	U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-di-n-propylamine		U	11
106-44-5	4-Methylphenol		U	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U	11
88-75-5	2-Nitrophenol		U	11
105-67-9	2,4-Dimethylphenol		U	11
111-91-1	bis(2-Chloroethoxy)methane		<u> </u>	· 11
120-83-2	2,4-Dichlorophenol		U	11
120-82-1	1,2,4-Trichlorobenzene		U	11
91-20-3	Naphthalene		U	11
106-47-8	4-Chloroaniline		U	· 11
87-68-3	Hexachlorobutadiene		U	11
59-50-7	4-Chloro-3-methylphenol		U	11
91-57-6	2-Methylnaphthalene	2	J	11
77-47-4	Hexachlorocyclopentadiene		U	11
88-06-2	2,4,6-Trichlorophenol		U	11
95-95-4	2,4,5-Trichlorophenol		U	54
91-58-7	2-Chloronaphthalene		U	11
88-74-4	2-Nitroaniline		U	27
208-96-8	Acenaphthylene		U	11
131-11-3	Dimethylphthalate		U	11
606-20-2	2,6-Dinitrotoluene		U	11
83-32-9	Acenaphthene	111	J	11
99-09-2	3-Nitroanlline		U	27
51-28-5	2,4-Dinitrophenol		U	27
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene		U	11

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

ı		
ı	MW-1N	

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh	C	Contract:	14144-134
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/v	vater)	WATER		Lab Samp	le ID: 237960-003
Sample wt/vo	ol:	920.0 (g/ml) M	L	Lab File ID	): S30351.D
Level: (low/m	ned)	LOW		Date Rece	ived: 7/2/2004
% Moisture:		decanted:(Y/N	I) <u>N</u>	Date Extra	cted: 7/6/2004
Concentrated	Extract	Volume: 1000 (uL	.)	Date Analy	zed: 7/8/2004
Injection Volu	me: 2.	0 (uL)		Dilution Fa	ctor: 1.0
GPC Cleanur		NpH:		Units: (ug/	L or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		υJ	27
86-73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate	2	J	11
100-01-6	4-Nitroaniline		υ	27
534-52-1	4,6-Dinitro-2-methylphenol		U	27
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachiorobenzene		U	11 <sup>*</sup>
87-86-5	Pentachlorophenol		U	27
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butyiphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U	11
117-81-7	bis(2-Ethylhexyl)phthalate	3	<u>ل) کالہ</u>	11
117-84-0	Di-n-octylphthalate		U	11
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	11
50-32-8	Benzo(a)pyrene		U	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
62-75-9	n-Nitrosodimethylamine		U	11
53-70-3	Dibenz(a,h)anthracene		U	11
191-24-2	Benzo(g,h,i)perylene		υ	11



3/90<sub>Y049</sub>

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

	MW-1N	
•		 

Lab Name:	STL Ne	wburgh		(	Contract:			
Lab Code:	10142	с	ase No.:		SAS No.:	s	DG No.: 237960	
Matrix: (soil/v	vater)	WATER	<del></del>		Lab Samp	le ID:	237960-003	
Sample wt/vo	ol:	920.0	(g/ml) ML		Lab File IC	):	\$30351.D	
Level: (low/n	ned)	LOW			Date Rece	ived:	7/2/2004	
% Moisture:		de	canted: (Y/N)	N	Date Extra	cted:	7/6/2004	
Concentrated	Extract	Volume:	1000 (uL)		Date Analy	/zed:	7/8/2004	
Injection Volu	me: <u>2.</u>	0 (uL)			Dilution Fa	ctor:	1.0	
GPC Cleanup	o: (Y/N)	<u>N</u>	pH:	-				

## CONCENTRATION UNITS:

Number TICs found:	18	(ug/L or ug/Kg)	UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Benzene isomer	8.56	3	J
2. 000078-40-0	Triethyl phosphate	9.04	24	JN
3, 000095-93-2	Benzene, 1,2,4,5-tetramethyl-	9.48	4	JN
4.	Unknown CnH2nO	9.59	5	J
5.	Unknown	9.92	13	J
6.	Unknown	10.30	5	J
7.	C4H8S2 isomer	10.41	9_	J
8. 000585-34-2	Phenol, m-tert-butyl-	11.24	40	JN
9.	Unknown	13.89	11	J
10.	Unknown	14.23	17	J
11.	Benzene isomer	14.35	6	J
12.	C10H10 isomer	14.82	5	J
13.	Unknown	14.95	8	J
14.	Unknown	15.23	10	J
15.	Unknown	15.51	16	J
16.	Unknown	15.66	7	J
17.	Unknown	15.75	11	J
18.	Unknown CnH2n+2	21.01	6	J

M-NY049

EPA SAMPLE NO. 1₿

SEMIVOLATILE ORGANICS ANALYSIS	DATA	SHEE
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MW-9A
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Lab Name:	STL Nev	vburgh		c	ontract:	
Lab Code:	10142	Case	No.:		SAS No.: S	SDG No.: 237960
Matrix: (soil/w	/ater)	WATER			Lab Sample ID:	237960-004
Sample wt/vo	i:	970.0	(g/ml) ML		Lab File ID:	S30352.D
Level: (low/m	red)	LOW			Date Received:	7/2/2004
% Moisture:	,	deca	nted:(Y/N)	N	Date Extracted:	7/6/2004
Concentrated	Extract \	 /olume: 10	00 (uL)		Date Analyzed:	7/8/2004
injection Volu					Dilution Factor:	1.0
GPC Cleanup		<del></del>	н:		Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U .	10
541-73-1	1,3-Dichiorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		U	10
621-64-7	N-Nitroso-di-n-propylamine		U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		U	10
88-75-5		, ,	U	10
105-67-9	2,4-Dimethylphenol	-	U	10
111-91-1	bis(2-Chloroethoxy)methane		Ú ·	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		U	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chloroaniline		U	10
87-68 <b>-</b> 3	Hexachlorobutadiene		U	10
59-50 <b>-</b> 7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		Ų	10
95-95-4	2,4,5-Trichlorophenol		U	52
91-58-7	2-Chloronaphthalene		U	10
	2-Nitroaniline		U	26
88-74-4	Acenaphthylene		U	10
208-96-8	Dimethylphthalate	-	U	10
131-11-3	2,6-Dinitrotoluene		U	10
606-20-2	Acenaphthene		Ü	10
83-32-9	3-Nitroaniline		Ü	26
99-09-2			Ü	26
51-28-5	2,4-Dinitrophenol		Ü	10
132-64-9	Dibenzofuran	+	Ŭ	10
121-14-2	2,4-Dinitrotoluene STL Newburgh is a part of Sev	vern Trent Laboratories, Inc.		315

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/90<sub>1Y049</sub>

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

i	
	MW-9A

EPA SAMPLE NO.

			0		M۱	N-9A		
Lab Name:	STL N		Contract:		_			
Lab Code:	10142	Case No.:					30	
Matrix: (soil/v			Lab	Sample ID:	2379	60-004	<del></del>	
•		970.0 (g/ml) ML	Lab	File ID:	S303	352.D		
Level: (low/m				e Received:	7/2/2	2004		
			N Det	e Extracted:	7/6/2	2004		
% Moisture:		decanted:(Y/N)			-	<u></u>	_	
Concentrated	Extract	Volume: 1000 (uL)		e Analyzed:			_	
Injection Volu	ıme: 2	2.0 (uL)	Dilu	tion Factor:	1.0		_	
•	_	NpH:	Unit	s: (ug/L or u	g/Kg)	UG/L		
Gr O Oleanar	p. ( '''' ')		-					
				5501		0		RL
CAS NO.		COMPOUND		RESU	_ i	Q		RL.
400.00.7		4-Nitrophenol		<del></del>	. 10/1	U.7		26
100-02-7		Fluorene				U		10
86-73-7		4-Chlorophenyl-phenyleth	er			U		10
7005-72-3		Diethylphthalate				U		10
84-66-2		4-Nitroanlline				U		26
100-01-6		4,6-Dinitro-2-methylpheno	ol			U		26
534-52-1		n-Nitrosodiphenylamine (				U		10
86-30-6		4-Bromophenyl-phenyleth	er ·			U		10
101-55-3		Hexachlorobenzene				U		10
118-74-1		Pentachlorophenol				U		26
87-86-5		Phenanthrene	<del> </del>			U		10
85-01-8		Anthracene				U		10
120-12-7		Di-n-butylphthalate				U		10
84-74-2		Fluoranthene				U		10
206-44-0	<del></del>	Pyrene				U		10
129-00-0	<del></del>	Butylbenzylphthalate				U		10
85-68-7		3,3'-Dichlorobenzidine		-		U		10
91-94-1		Benzo(a)anthracene				U		10
56-55-3						U		10
218-01-9		Chrysene bis(2-Ethylhexyl)phthalate	<u> </u>		1	JBU		10
117-81-7		Di-n-octylphthalate	<u> </u>		-	U		10
117-84-0		Benzo(b)fluoranthene	<u> </u>			U		10
205-99-2						U		10
207-08-9		Benzo(k)fluoranthene				Ų		10
50-32-8		Benzo(a)pyrene				Ü		10
193-39-5		Indeno(1,2,3-cd)pyrene				U		10



62-75-9

53-70-3

191-24-2

10

10

3/90 M-11Y049

n-Nitrosodimethylamine

Dibenz(a,h)anthracene

Benzo(g,h,i)perylene

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
MW-9A	-

Lab Name:	STL Ne	ewburgh	Contract:		
Lab Code:	10142	Case No.:	SAS No.:	_ SDG No.: <u>237</u> 9	960
Matrix: (soil/v	vater)	WATER	Lab Sample	ID: <u>237960-004</u>	
Sample wt/vo	ol:	970.0 (g/ml) ML	Lab File ID:	S30352.D	
Level: (low/n	ned)	LOW	Date Receiv	/ed: 7/2/2004	
% Moisture:	-	decanted: (Y/N)	N Date Extrac	ted: <u>7/6/2004</u>	
Concentrated	d Extract	Volume: 1000 (uL)	Date Analyz	ed: - 7/8/2004	
Injection Volu		<del></del>	Dilution Fac	tor: 1.0	
GPC Cleanu	p: (Y/N)	<u>N</u> pH:	-		
			CONCENTRATION	UNITS:	
Number TICs	s found:	0	(ug/L or ug/Kg)	UG/L	
CASNUME	RER	COMPOUND NAME	RT	EST. CONC.	Q

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N	0	N	Е	L	IP	V	Α	S	Α	P	F
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Lab Name:	STL Newburgh			Contract:	WM-8R	_
Lab Code:	10142		se No.:	SAS No.:	SDG No.: 237960	_
Matrix: (soil/\	water)	WATER	<del>-</del>	Lab Samp	ole ID: 237960-005	
Sample wt/vo		970.0	_ (g/ml) ML	Lab File IC	D: <u>\$30353.D</u>	
Level: (low/r		LOW		Date Rece	eived: <u>7/2/2004</u>	
% Moisture:	•	de	- canted:(Y/N)	N Date Extra	acted: 7/6/2004	
Concentrated	Extract	Volume:	1000 (uL)	Date Analy	yzed: 7/8/2004	
Injection Volu				Dilution Fa	actor: 1.0	
CPC Cleans		`	pH:	Units: (ug/	/L or ug/Kg) UG/L	

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		U	10
621-64-7	N-Nitroso-dl-n-propylamine		Ü	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		U	10
88-75-5	2-Nitrophenol		U	10-
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		U	10
91-20-3	Naphthalene	3	J	10
106-47-8	4-Chloroaniline		U	10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene	1	J	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	52
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline		U	26
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
	2,6-Dinitrotoluene		U	10
606-20-2 83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	26
51-28-5	2,4-Dinitrophenol		U	26
132-64-9	Dibenzofuran		U	10
121-14-2	2,4-Dinitrotoluene		U	10

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3/90 MAY 17049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	).
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	361	MINOFYLIF	LONGAIN	00711171	2,010 2,		MW-9B
Lab Name:	STL Ne	wburgh		(	Contract:		
Lab Code:	10142	Ca:	se No.:		SAS No.:	SI	DG No.: 237960
Matrix: (soil/v	vater)	WATER	_		Lab Sampl	e ID:	237960-005
Sample wt/vo	ol:	970.0	(g/ml) M	L	Lab File ID	:	S30353.D
Level: (low/n		LOW	_		Date Recei	ived:	7/2/2004
% Moisture:		dec	- :anted:(Y/N	l) N	Date Extra	cted:	7/6/2004
Concentrated	Extract	Volume: 1	000 (ul	_)	Date Analy	zed:	7/8/2004
Injection Volu	ıme: 2	.0 (uL)		•	Dilution Fa	ctor:	1.0
GPC Cleanu	<del></del>	N	рН:		Units: (ug/L	or ug	ı/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		υJ	26
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		U	26
85-01-8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		U	10
85-68-7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benzo(a)anthracene		U	. 10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate	111	JBU	10
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		U L	10

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3/90 M-RY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
MW-9B	

Lab Name:	STL Ne	wburgh	Contra	ct:	
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: 237960
Matrix: (soil/	water)	WATER		Lab Sample	ID: <u>237960-005</u>
Sample wt/vo	ol:	970.0 (g/ml) ML		Lab File ID:	S30353.D
Level: (low/r	ned)	LOW		Date Receiv	ed: 7/2/2004
% Moisture:		decanted: (Y/N)	N	Date Extract	ed: 7/6/2004
Concentrated	d Extract	Volume: 1000 (uL)		Date Analyze	ed: 7/8/2004
Injection Volu	ume: <u>2.</u>	0 (uL)	,	Dilution Fact	or: <u>1.0</u>
GPC Cleanu	p: (Y/N)	NpH:	_		
			CONCE	NTRATION	UNITS:
Number TICs	s found:	0	(ug/L or	ug/Kg)	UG/L
CAS NUME	BER	COMPOUND NAME		RT	EST. CONC. Q

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EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-5	,
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CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chioroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	1 <u>1</u>
541-73-1	1,3-Dichlorobenzene		U	11
106-46-7	1,4-Dichlorobenzene		U	11
95-50-1	1,2-Dichlorobenzene		U	11
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11_
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-di-n-propylamine		U	11
106-44-5	4-Methylphenol		U	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U.	11_
88-75-5	2-Nitrophenol		U	11
105-67-9	2,4-Dimethylphenol		U	11
111-91-1	bis(2-Chloroethoxy)methane		U	11
120-83-2	2,4-Dichlorophenol		U	11
120-82-1	1,2,4-Trichlorobenzene		U	11
91-20-3	Naphthalene	1	J	11
106-47-8	4-Chloroaniline		U ·	
87-68-3	Hexachiorobutadiene		U	11
59-50-7	4-Chloro-3-methylphenol		U	11_
91-57-6	2-Methylnaphthalene	11	J	11
77-47-4	Hexachlorocyclopentadiene		U	11
88-06-2	2,4,6-Trichlorophenol		U	11
95-95-4	2,4,5-Trichlorophenol		U	56
91-58-7	2-Chloronaphthalene		U	11_
88-74-4	2-Nitroaniline		<u> </u>	28
208-96-8	Acenaphthylene		U	11
131-11-3	Dimethylphthalate		U	11
606-20-2	2,6-Dinitrotoluene		U	. 11
83-32-9	Acenaphthene		U	11_
99-09-2	3-Nitroaniline		U	28
51-28-5	2,4-Dinitrophenol		U	28
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene STL Newburgh is a part of Ser		U	11_

SEVERN STL NYSDOH 10142

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3/90 M-NY049

EPA SAMPLE NO.

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-	5
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· ·		<del></del>	MW-5	İ
Lab Name: STL N	lewburgh . (	Contract:		
Lab Code: 10142	Case No.:	SAS No.: SD0	3 No.: <u>2379</u>	60
Matrix: (soil/water)		Lab Sample ID: 2		
•	890.0 (g/ml) ML	Lab File ID: S	30354.D	
Level: (low/med)	<del></del>	Date Received: 7	/2/2004	
·	decanted:(Y/N) N	Date Extracted: 7	/6/2004	
		<del></del>		
Concentrated Extrac	ct Volume: 1000 (uL)	Date Analyzed: 7	/8/2004	<del>_</del>
injection Volume:	2.0 (uL)	Dilution Factor: 1	.0	<u> </u>
GPC Cleanup: (Y/N)	N pH:	Units: (ug/L or ug/l	(g) <u>UG/L</u>	
	<u> </u>		1	
		שרט וו ד	Q	RL
CAS NO.	COMPOUND	RESULT	Q	NL.
100-02-7	4-Nitrophenol		Uস	28
86-73-7	Fluorene		U	11_
7005-72-3	4-Chlorophenyl-phenylether		U_	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U	28
534-52-1	4,6-Dinitro-2-methylphenol		U	28
86-30-6	n-Nitrosodiphenylamine (1)		U	. 11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	11
87-86-5	Pentachlorophenol		U	28
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11_
129-00-0	Pyrene		U	11
85-68-7	Butylbenzylphthalate		U	11_
91-94-1	3,3'-Dichlorobenzidine		U	11
50 57 0	D(-)-nib		1 11 1	11

1 034-02-1	4,0-Dillido-2-mediyiphenoi			***************************************
86-30-6	n-Nitrosodiphenylamine (1)		U	. 11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	11
87-86-5	Pentachlorophenol		U	28
85-01-8	Phenanthrene -		Ų	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U	11
117-81-7	bis(2-Ethylhexyl)phthalate	11	JB Ü	11
117-84-0	Di-n-octylphthalate		U	<u>11</u>
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	11
50-32-8	Benzo(a)pyrene		U	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
62-75-9	n-Nitrosodimethylamine		U	11
53-70-3	Dibenz(a,h)anthracene		U	11
191-24-2	Benzo(g,h,i)perylene		U	11
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3/90 M-NY049

PA 68-378

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
MW-5	

Lab Name:	STI No	whurch	Contra	act:	MVV-5	
ьар ічате:	SILIYE				ODC No. 2270	60
Lab Code:	10142	Case No.:	SAS	S No.:	_ SDG No.: <u>2379</u>	<u> </u>
Matrix: (soil/w	vater)	WATER		Lab Sample	ID: <u>237960-006</u>	
Sample wt/vo	ol:	890.0 (g/ml) ML	<del></del>	Lab File ID:	S30354.D	<del>_</del>
Level: (low/m	ned)	LOW		Date Receive	ed: 7/2/2004	_
% Moisture:	•	decanted: (Y/N)	N	Date Extracte	ed: 7/6/2004	_
Concentrated	I Extract	 Volume: 1000 (uL)		Date Analyze	ed: 7/8/2004	<u> </u>
Injection Volu		<del></del>		Dilution Factor	or: <u>1.0</u>	
GPC Cleanup	o: (Y/N)	NpH:				
			CONC	ENTRATION (	STINL:	
Number TICs	found:	0	(ug/L o	r ug/Kg) <u>l</u>	UG/L	
CAS NUMB	ER	COMPOUND NAME		RT	EST. CONC.	Q

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3/90 M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	~ 4		_	NO
<b>EPA</b>	SA	MPL	ᆫ	NO

Lab Name:	STL Ne	wburah	(	Contract:	MVV-10
Lab Code:	10142	Case No.:	<del></del>	SAS No.:	SDG No.: 237960
Matrix: (soil/v		WATER		Lab Sample ID	237960-007
Sample wt/vo	•	890.0 (g/mi) ML		Lab File ID:	S30355.D
Level: (low/n		LOW		Date Received:	7/2/2004
% Moisture:	·	decanted:(Y/N)	N	Date Extracted	7/6/2004
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed:	7/8/2004
Injection Volu	ıme: 2	.0 (uL)		Dilution Factor:	1.0
GPC Cleanup		 NpH:	_	Units: (ug/L or t	ug/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	11_
541-73-1	1,3-Dichlorobenzene		U	11
106-46-7	1.4-Dichlorobenzene		U _	11
95-50-1	1,2-Dichlorobenzene		U	<u> </u>
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11_
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-di-n-propylamine		U	11
106-44-5	4-Methylphenol		U	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U	11
88-75-5	2-Nitrophenol		U	11
105-67-9	2,4-Dimethylphenol		U	11
111-91-1	bis(2-Chioroethoxy)methane		U ·	11
120-83-2	2,4-Dichlorophenol		U _	11
120-82-1	1.2.4-Trichlorobenzene	·	U	11
91-20-3	Naphthalene		Ų	11
106-47-8	4-Chioroaniline		U	11
87-68-3	Hexachlorobutadiene		U	11
59-50-7	4-Chloro-3-methylphenol		U	11
91-57-6	2-Methylnaphthalene		U	11
77-47-4	Hexachlorocyclopentadiene		U	11
88-06-2	2,4,6-Trichlorophenol		U	11
95-95 <b>-</b> 4	2,4,5-Trichlorophenol		U	56
91-58-7	2-Chloronaphthalene		U	<u>11</u>
88-74-4	2-Nitroanlline		U	28
208-96-8	Acenaphthylene		U	11
131-11-3	Dimethylphthalate		U	11_
606-20-2	2.6-Dinitrotoluene		<u> </u>	11
83-32-9	Acenaphthene		U	11_
99-09-2	3-Nitroaniline		U	28_
51-28-5	2,4-Dinitrophenol		U	28
132-64-9	Dibenzofuran		U	11
132-64-9 121-14 <b>-</b> 2	2,4-Dinitrotoluene		U	11

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3/90<sub>1Y049</sub>

PA 68-378

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPLE	NO.

Lab Name:	STL Ne	wburah	C	Contract:	· 	IVIVV-10
Lab Code:	10142	Case No.:	<del></del>	SAS No.:	SE	OG No.: 237960
Matrix: (soil/v		WATER		Lab Sample	ID:	237960-007
Sample wt/vo		890.0 (g/ml) ML		Lab File ID:	•	S30355.D
Level: (low/n		LOW		Date Receiv	ed:	7/2/2004
% Moisture:	ilouj	decanted:(Y/N)	N	Date Extract	ed:	7/6/2004
Concentrated		<del></del>		 Date Analyz	ed:	7/8/2004
Injection Volu				Dilution Fact	or:	1.0
GPC Cleanup	_	N pH:	_	Units: (ug/L	or ug	/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		UJ	28
86-73-7	Fluorene		U	11
7005-72-3	4-Chiorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U	28
534-52-1	4,6-Dinitro-2-methylphenol		U	28
86-30-6	n-Nitrosodiphenylamine (1)		U	11
	4-Bromophenyl-phenylether		U	11
101-55-3	Hexachlorobenzene		U	11
118-74-1	Pentachlorophenol		U	28
87-86-5	Phenanthrene		U	11
85-01-8	Anthracene		U	11
120-12-7			U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11
<u>85-68-7</u>	Butylbenzylphthalate		Ü	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55 <b>-</b> 3	Benzo(a)anthracene		U	11
218-01-9	Chrysene	<del></del>	N&∩ O	11
117-81-7	bis(2-Ethylhexyl)phthalate		U	11
117-84-0	Di-n-octylphthalate			11
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	
50-32-8	Benzo(a)pyrene		U	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
62-75-9	n-Nitrosodimethylamine		U	11
53-70-3	Dibenz(a,h)anthracene		U	11
191-24-2	Benzo(g,h,l)perylene		U	11



3/90 N-NY049

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	PLE	NO

		IENIA	MELL IDENTIF	חםו	COMPOUNDS	MW-10
Lab Name:	STL Ne	wburgh		0	Contract:	IVIVY-10
Lab Code:	10142	Са	se No.:		SAS No.: S	DG No.: 237960
Matrix: (soil/\	vater)	WATER	<del></del> -		Lab Sample ID:	237960-007
Sample wt/vo	•	890.0	- (g/ml) ML		Lab File ID:	\$30355.D
Level: (low/r		LOW	<del>-</del>		Date Received:	7/2/2004
% Moisture:	•	dec	anted: (Y/N)	Ν	Date Extracted:	7/6/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed:	7/8/2004
Injection Volu		-	<del></del>		Dilution Factor:	1.0
GPC Cleanu	-		pH:		·	

## **CONCENTRATION UNITS:**

Number TICs found:	14	(ug/L or ug/Kg)	UG/L
Manney Troo Tourier			

	· · · · · · · · · · · · · · · · · · ·			T
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 001707-71-7	Ethyl pyrophosphate	9.00	7	JN
2.	C8H11N isomer	10.06	6	J
3. 000618-45-1	Phenol, 3-(1-methylethyl)-	10.43	2	JN
4.	Unknown	10.58	3	J
5.	Unknown	10.92	3	J
6.	C8H14 Isomer	11.23	22	J
7.	Unknown	11.97	3	J
8	C12H18O isomer	12.43	4	J
9.	Unknown	12.83	2	J
10	Unknown	13.38	3	J
11.	C10H16 isomer	13.68	3	J
12.	Unknown	13.97	4	J
13. 000294-62-2	Cyclododecane	17.10	4	JN
14. 001002-84-2	Pentadecanoic acid	17.73	33	JN

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-6A
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Lab Name: STL N	ewburgh	Contract:	
Lab Code: 10142		SAS No.: S	DG No.: 237960
Matrix: (soil/water)	WATER	Lab Sample ID:	237960-008
Sample wt/vol:	920.0 (g/ml) ML	Lab File ID:	S30421.D
Level: (low/med)	LOW	Date Received:	7/2/2004
% Moisture:	decanted:(Y/N)	N Date Extracted:	7/7/2004
Concentrated Extrac	t Volume: 5000 (uL)	Date Analyzed:	7/15/2004
Injection Volume:	2.0 (uL)	Dilution Factor:	5.0
GPC Cleanup: (Y/N)	 NpH:	Units: (ug/L or ug	g/Kg) <u>UG/L</u>
·	<del></del>	÷	

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		UR	270
108-95-2	Phenol		U R U R	270
95-57-8	2-Chlorophenol		UR	270
541-73-1	1,3-Dichlorobenzene		U R	270
106-46-7	1.4-Dichlorobenzene		UR	270
95-50-1	1,2-Dichlorobenzene		UR	270
100-51-6	Benzyl alcohol			270
108-60-1	2,2'-oxybis(1-Chloropropane)		UR	270
95-48-7	2-Methylphenol			270
67-72-1	Hexachloroethane		UR	270
621-64-7	N-Nitroso-di-n-propylamine		υR	270
106-44-5	4-Methylphenol		UR	270
98-95-3	Nitrobenzene		UR	270
78-59-1	Isophorone		U R U R	270
88-75-5	2-Nitrophenol		UR	270
105-67-9	2,4-Dimethylphenol			270
111-91-1	bis(2-Chloroethoxy)methane		UR	270
120-83-2	2,4-Dichlorophenol		UR	270
120-82-1	1,2,4-Trichlorobenzene		UR	270
91-20-3	Naphthalene		UR	270
106-47-8	4-Chloroaniline		υR	270
87-68-3	Hexachlorobutadiene		UR	270
59-50-7	4-Chloro-3-methylphenol		UR	270
91-57-6	2-Methylnaphthalene		UR	270
77-47-4	Hexachlorocyclopentadiene		UR	270
88-06-2	2,4,6-Trichlorophenol		U R	270
95-95-4	2,4,5-Trichlorophenol		UR	1400
91-58-7	2-Chloronaphthalene		U R	270
88-74-4	2-Nitroaniline		υR	680
208-96-8	Acenaphthylene			270
131-11-3	Dimethylphthalate		UR	270
606-20-2	2,6-Dinitrotoluene		UR	270
83-32-9	Acenaphthene		UR	270
99-09-2	3-Nitroaniline		UQ	680
51-28-5	2,4-Dinitrophenol		υ <u>Κ</u>	680
	Dibenzofuran		UR	270
132-64-9 121-14-2	2.4-Dinitrotoluene		UR	270
161-14-6	STL Newburgh is a part of Sev	ern Trent Laboratories, Inc.		316 F

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3/90 WY049

### SEMINOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAM	1PLE	NO.

RL

	SE	WINOLATIEL ONGAMOC			MW-6A
Lab Name:	STL Ne	wburgh		Contract:	
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/v	vater)	WATER		Lab Sample ID	237960-008
Sample wt/vo		920.0 (g/ml) ML		Lab File ID:	S30421.D
Level: (low/n		LOW		Date Received:	7/2/2004
% Moisture:	•	decanted:(Y/N)	N	Date Extracted	7/7/2004
Concentrated	Extract	Volume: 5000 (uL)		Date Analyzed:	7/15/2004
Injection Volu		<del></del>		Dilution Factor:	5.0
GPC Cleanu		•	_	Units: (ug/L or a	ıg/Kg) <u>UG/L</u>
CAS NO.		COMPOUND		RESU	JLT Q

CAS NO.	COMPONAD			
100-02-7	4-Nitrophenol		URUR	680
86-73-7	Fluorene			270
7005-72-3	4-Chlorophenyl-phenylether		UR	270
84-66-2	Diethylphthalate		UR	270
100-01-6	4-Nitroaniline		UR	680
534-52-1	4,6-Dinitro-2-methylphenol		UR	680
86-30-6	n-Nitrosodiphenylamine (1)		UR	270
	4-Bromophenyl-phenylether		UR	270
101- <u>55-3</u> 118-74-1	Hexachlorobenzene		υR	270
	Pentachlorophenol		υ(₹	680
87-86-5	Phenanthrene	100	12	270
85-01-8	Anthracene		UR	270
120-12-7	Di-n-butylphthalate		υR	270
84-74-2	Fluoranthene	58	して	270
206-44-0		96	JJ	270
129-00-0	Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Pyrene Py		UR	. 270
85-68-7	Butylbenzylphthalate	<del> </del>	u R	270
91-94-1	3,3'-Dichlorobenzidine		ÜR	270
56-55-3	Benzo(a)anthracene	<del> </del>	υŔ	270
218-01-9	Chrysene	460	BUR	270
117-81-7	bis(2-Ethylhexyl)phthalate	400	UR	270
117-84-0	Di-n-octylphthalate		Ü (	270
205-99-2	Benzo(b)fluoranthene	<u> </u>	UR	270
207-08-9	Benzo(k)fluoranthene		U R	270
50-32 <b>-</b> 8	Benzo(a)pyrene	<del> </del>		
193-39-5	Indeno(1,2,3-cd)pyrene			270 270
62-75-9	n-Nitrosodimethylamine	<u> </u>		
53-70-3	Dibenz(a,h)anthracene		UR	270
191-24-2	Benzo(g,h,i)perylene		U R	270

3/90 M-11Y049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
MW-6A	

Lab Name:	STL Ne	wburgh		c	Contract:	
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/	water)	WATER			Lab Sample ID	237960-008
Sample wt/ve	-	920.0	 (g/ml) ML		Lab File ID:	S30421.D
Level: (low/r	•	LOW	<b>-</b>		Date Received	7/2/2004
% Moisture:		de	 canted: (Y/N)	N	Date Extracted	: <u>7/7/2004</u>
Concentrated	 d Extract	Volume:	5000 (uL)		Date Analyzed	7/15/2004
Injection Volu					Dilution Factor	5.0
GPC Cleanu		N	рН:			

#### **CONCENTRATION UNITS:**

Number TICs found:	20	(ug/L or ug/Kg)	UG/L

			· · · · · · · · · · · · · · · · · · ·	
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1,	Unknown	7.29	90	JD
2.	Unknown	8.08	120	JD
3.	Unknown	8.19	120	JD
4.	Unknown	8.27	110	JD
5	Unknown CnH2n	8.56	170	JD
6. 001120-21-4	Undecane	8.67	810	JND
7. 001707-71-7	Ethyl pyrophosphate	8.97	110	JND
8.	C11H22 isomer	9.23	90	JD
9.	ethyl-dimethyl Benzene isomer	9.48	75	JD
10,	Unknown CnH2n+2	9.51	89	JD
11.	Unknown	11.89	80	JD
12.	Unknown	12.05	170	JD
13. 000000-00-0	Decahydro-4,4,8,9,10-pentameth	12.22	220	JND
14.	Unknown	12.83	830	JD
15.	Unknown	13.15	250	JD
16. 000000-00-0	Decahydro-4,4,8,9,10-pentameth	13.24	1100	JND
17.	C10H18 isomer	13.38	180	JD
18.	Unknown	14.26	310	JD
	Unknown	22.90	540	JD
19. 20.	Unknown	24.38	530	JD
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PA 68-378

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO.
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	OL.	IVII V O EATTIE				MW-6ARE
Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142	Ca	se No.:		SAS No.: S	DG No.: 237960
Matrix: (soil/	water)	WATER			Lab Sample ID:	237960-008RE
Sample wt/v	-	920.0	(g/ml) ML		Lab File ID:	S30422.D
Level: (low/r		LOW			Date Received:	7/2/2004
% Moisture:	,	dec	- canted:(Y/N)	N	Date Extracted:	7/7/2004
Concentrate	d Extract	Volume:	5000 (uL)		Date Analyzed:	7/15/2004
Injection Vol					Dilution Factor:	5.0
GPC Cleanu		N	рН:		Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyi)ether		UR	270
108-95-2	Phenol		υR	270
95-57-8	2-Chlorophenol		UR	270
541-73-1	1,3-Dichlorobenzene		U R U R	270
106-46-7	1,4-Dichlorobenzene		υR	270
95-50-1	1,2-Dichlorobenzene			270
100-51-6	Benzyl alcohol		UR	270
108-60-1	2,2'-oxybis(1-Chloropropane)		UR	270
95-48-7	2-Methylphenol		URUK	270
67-72-1	Hexachloroethane			270
621-64-7	N-Nitroso-di-n-propylamine		UR	270
106-44-5	4-Methylphenol		UR	270
98-95-3	Nitrobenzene		U R U R	270
<u> </u>	Isophorone		UR	270
78-59-1	2-Nitrophenol		υR	270
88-75-5	2,4-Dimethylphenol		υR	270
105-67-9	bis(2-Chloroethoxy)methane	-	υŔ	270
111-91-1	2,4-Dichlorophenol		υŔ	270
120-83-2	1.2,4-Trichlorobenzene		υR	270
120-82-1	Naphthalene		υŔ	270
91-20-3	4-Chloroaniline		u R	270
106-47-8	Hexachlorobutadiene		U R	270
87-68-3	4-Chloro-3-methylphenol		υR	270
59-50-7	2-Methylnaphthalene		UR	270
91-57-6	Hexachlorocyclopentadiene		UR	270
77-47-4	2,4,6-Trichlorophenol		UR	270
88-06-2	2,4,5-Trichlorophenol		UR	1400
95-95-4	2-Chloronaphthalene		UK	270
91-58-7	2-Nitroaniline		UR	680
88-74-4	Acenaphthylene		UR	270
208-96-8			υŔ	270
131-11-3	Dimethylphthalate		UR	270
606-20-2	2,6-Dinitrotoluene		UR	270
83-32-9	Acenaphthene		UR	680
99-09-2	3-Nitroaniline		UR	680
51-28-5	2,4-Dinitrophenol		UR	270
132-64-9	Dibenzofuran		UR	270
121-14-2	2,4-Dinitrotoluene			

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FΡΔ	SAMPI	F NO
	SHIVIE	140

	3E			., .,		MW-6ARE
Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142		se No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/	water)	WATER			Lab Sample I	): <u>237960-008RE</u>
Sample wt/v		920.0	 (g/ml) ML		Lab File ID:	S30422.D
Level: (low/i		LOW	, <del></del>		Date Received	i: 7/2/2004
% Moisture:	,	dec	- canted:(Y/N)	N	Date Extracted	d: <u>7/7/2004</u>
Concentrate	d Extract	—– Volume: ≐∜	5000 (uL)		Date Analyzed	: 7/15/2004
Injection Vol		:.0 (uL)			Dilution Factor	: 5.0
GPC Cleanu		N	pH:		Units: (ug/L or	ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
	A NIII albanal		UR	680
100-02-7	4-Nitrophenol		URUR	270
86-73-7	Fluorene		UR	270
7005-72-3	4-Chlorophenyl-phenylether		URUK	270_
84-66-2	Diethylphthalate			680
100-01-6	4-Nitroaniline	<del></del>	U R _	680
534-52-1	4,6-Dinitro-2-methylphenol		UR	270
86-30-6	n-Nitrosodiphenylamine (1)			270
101-55-3	4-Bromophenyl-phenylether		UR	270
118-74-1	Hexachiorobenzene		U R	680
87-86-5	Pentachlorophenol			
85-01-8	Phenanthrene	73	J 3	270
120-12-7	Anthracene		U R	270
84-74-2	Di-n-butylphthalate		UR	270
206-44-0	Fluoranthene	. 85	1 3	270
129-00-0	Pyrene	97	15	270
85-68-7	Butylbenzylphthalate		U R	270
91-94-1	3,3'-Dichlorobenzidine		U R U R	270
56-55-3	Benzo(a)anthracene			270
218-01-9	Chrysene		UR	270
117-81-7	bis(2-Ethylhexyl)phthalate	480	PYR	270
117-84-0	Di-n-octylphthalate		ÚŔ	270
205-99-2	Benzo(b)fluoranthene		UR	270
207-08-9	Benzo(k)fluoranthene		UR	270
50-32-8	Benzo(a)pyrene		U (C	270
193-39-5	Indeno(1,2,3-cd)pyrene		UR	270
	n-Nitrosodimethylamine		U R	270
62-75-9	Dibenz(a,h)anthracene		UR	270
53-70-3	Benzo(g,h,i)perylene		UR	270
191-24-2	Derizo(g,ri,r)peryterio		<del></del>	

SEVERN STL

EPA NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE	NO
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		IENIAI	IAREL IDEMINE	ED COMP COMPG	MW-6ARE
Lab Name:	STL Ne	wburgh		Contract:	IVIVY-OAINE
Lab Code:	10142		se No.:	SAS No.:	SDG No.: 237960
Matrix: (soil/v		WATER		Lab Sample II	D: 237960-008RE
Sample wt/vo		920.0	- (g/ml) ML	Lab File ID:	S30422.D
Level; (low/n		LOW		 Date Received	d: 7/2/2004
% Moisture:	,		- anted: (Y/N)	N Date Extracted	d: 7/7/2004
Concentrated	Extract	 Volume: 5	5000 (uL)	Date Analyzed	d: 7/15/2004
Injection Volu		_		Dilution Factor	: 5.0
GPC Cleanu		<del></del>	рН:		

### **CONCENTRATION UNITS:**

Number TICs found:	20	(ug/L or ug/Kg)	UG/L

				1
CAS NUMBER	COMPOUND NAME	RT	EST, CONC.	Q
1,	Unknown	7.30	110	JD
2. 000112-41-4	1-Dodecene	8.08	96	JND
3.	Unknown	8.19	130	JD
4.	Unknown CnH2nO	8.27	120	JD
5.	Unknown CnH2n	8.56	140	JD
6. 001120-21-4	Undecane	8.67	830	JND
7. 001707-71-7	Ethyl pyrophosphate	8.96	120	JND
8.	C11H22 isomer	9.24	90	JD
9.	ethyl-dimethyl Benzene isomer	9.48	95	JD
10.	Unknown CnH2n+2	9.51	110	JD
11. 017301-23-4	Undecane, 2,6-dimethyl-	10.13	79	JND
12.	Unknown CnH2n+2	11.19	65	JD.
13.	Unknown	12.05	110	JD
14,	Unknown	12.22	160	JD
15.	Unknown	12.84	670	JD
16.	Unknown	13,15	160	JD
17. 000000-00-0	Decahydro-4,4,8,9,10-pentameth	13.25	640	JND
18.	C10H18 isomer	13.38	150	JD
19.	Unknown	22.89	540	JD
20.	Unknown	24.38	450	JD

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO	<b>EPA</b>	SAMPL	E NO
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Lab Name:	STL Ne	wburgh		Cor	ntract:	MIAA-9R
Lab Code:	10142		se No.:	 S	SAS No.:	SDG No.: 237960
Matrix: (soil/w	vater)	WATER	_		Lab Sample I	D: 237960-009
Sample wt/vo	ol:	960.0	(g/ml) ML		Lab File ID:	S30356.D
Level: (low/m	ned)	LOW	_		Date Receive	ed: 7/2/2004
% Moisture:	ŕ	de	- canted:(Y/N) _	N	Date Extracte	ed: <u>7/7/2004</u>
Concentrated	Extract	Volume:	1000 (uL)		Date Analyze	d: 7/8/2004
Injection Volu	me: 2	.0 (uL)	<del></del>		Dilution Facto	or: 1.0
GPC Cleanup		N	pH:		Units: (ug/L o	r ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		J	10
95-57-8	2-Chlorophenol		J	10
541-73-1	1,3-Dichlorobenzene	_	Ų	10
106-46-7	1.4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		. U	10
621-64-7	N-Nitroso-di-n-propylamine		U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59 <b>-</b> 1	Isophorone		U	10
88-75-5	2-Nitrophenol		Ú	10
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U	· 10
120-83-2	2,4-Dichlorophenol		U	10
120-83-2	1,2,4-Trichlorobenzene		U 3	10
91-20-3	Naphthalene	2	J	10
106-47-8	4-Chloroaniline		U	10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene	1	J	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	52
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline		U	26
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene		U	10
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	26
51-28-5	2.4-Dinitrophenol		U	26
132-64-9	Dibenzofuran		U	10
121-14-2	2.4-Dinitrotoluene		U	10
121-14-2	STL Newburgh is a part of Sev	ern Trent Laboratories, Inc.		315

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/90<sub>1Y049</sub>

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-6B	

EPA SAMPLE NO.

Lab Name:	STL Nev	wburgh			Contr	act:		_	
Lab Code:	10142	C	ase No.: _		SA	S No.: _	s	DG No.:	237960
Matrix: (soil/w	vater)	WATER				Lab Sa	ample ID:	237960-0	009
Sample wt/vo	-	960.0	 _ (g/ml) _	ML	_	Lab Fil	e ID:	S30356.	D
Level: (low/m		LOW	_			Date R	Received:	7/2/2004	
% Moisture:		de	canted:(Y	/N) <u>!</u>	1	Date E	xtracted:	7/7/2004	
Concentrated	Extract '	 Volume:	1000 (	uL)		Date A	nalyzed:	7/8/2004	
Injection Volu	me: 2.	0 (uL)				Dilution	n Factor:	1.0	
GPC Cleanup		N	рН:			Units: (	(ug/L or ug	g/Kg) <u>UG</u>	/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U J	26
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyi-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		U	26
85-01-8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		U	10
	Butylbenzylphthalate		U	10
85-68-7	3,3'-Dichlorobenzidine		U	10
91-94-1	Benzo(a)anthracene		U	10
56-55-3	Chrysene		U	10
218-01-9	bis(2-Ethylhexyl)phthalate		U	10
117-81-7	Di-n-octylphthalate		U	10
117-84-0	Benzo(b)fluoranthene		U	10
205-99-2			U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		Ū	10
53-70-3	Dibenz(a,h)anthracene		<del>-</del> Ŭ	10
191-24-2	Benzo(g,h,i)perylene			<del>.</del>



3/90 M-NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EFA 3	MINIL	LL	141	J.
·				
MW-6	В			

Lab Name:	STL Ne	wburgh	Contra	ct:		10100-00	
Lab Code:	10142	Case No.:	SAS	No.:	_ SE	OG No.: 23	7960
Matrix: (soil/v	vater)	WATER		Lab Sample	ID:	237960-009	
Sample wt/vo	ol:	960.0 (g/ml) ML		Lab File ID:		S30356.D	
Level: (low/n	ned)	LOW		Date Receiv	/ed:	7/2/2004	
% Moisture:		decanted: (Y/N)	N	Date Extrac	ted:	7/7/2004	
Concentrated	Extract	Volume: 1000 (uL)		Date Analyz	ed:	7/8/2004	
Injection Volu	ıme; <u>2.</u>	0 (uL)		Dilution Fac	tor:	1.0	
GPC Cleanu	p: <b>(Y/N)</b>	NpH:					
			CONCE	NTRATION	UNIT	S:	
Number TICs	s found:	0	(ug/L or	ug/Kg)	UG/L		
CAS NUMB	BER	COMPOUND NAME		RT	ES	Γ. CONC.	Q

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N/9849

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAME	2LE	NO
L: / \	O/ UIII		,,,

Lab Name:	STL Ne	ewburgh		Con	tract:		W-1S
Lab Code:	10142	10142 Case No.:		SAS No.:		SI	OG No.: 237960
Matrix: (soil/	water)	WATER	<u>.</u>		Lab Samp	le ID:	237960-010
Sample wt/ve	oi:	940.0	(g/ml) ML		Lab File IC	):	S30358.D
Level: (low/r	ned)	LOW	_		Date Rece	ived:	7/2/2004
% Moisture:		ded	anted:(Y/N)	N	Date Extra	cted:	7/7/2004
Concentrate	d Extract	Volume: '	1000 (uL)		Date Analy	/zed:	7/8/2004
Injection Volu	ume: 2	2.0 (uL)			Dilution Fa	ctor:	1.0
GPC Cleanu		N	pH:		Units: (ug/	L or ug	/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chioroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chiorophenoi		U	11
541-73-1	1,3-Dichlorobenzene		U	11
106-46-7	1,4-Dichlorobenzene		U	11
95-50-1	1,2-Dichlorobenzene		Ų	11
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-dl-n-propylamine		U	11
106-44-5	4-Methylphenol		U	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U	11
- 88-75-5	2-Nitrophenol		<del>-</del> <del></del>	<u>- :: </u>
105-67-9	2,4-Dimethylphenol		U	11
111-91-1	bis(2-Chloroethoxy)methane		U	· 11
120-83-2	2,4-Dichlorophenol		U	11
120-82-1	1,2,4-Trichlorobenzene		บร	11
91-20-3	Naphthalene		U	11
106-47-8	4-Chloroaniline		U	· 11
87-68-3	Hexachlorobutadiene		U	11
59-50-7	4-Chloro-3-methylphenol		U	11
91-57-6	2-Methylnaphthalene		U	11
77-47-4	Hexachlorocyclopentadiene		U	11
88-06-2	2,4,6-Trichlorophenol		U	11
95-95-4	2,4,5-Trichlorophenol		U	53
91-58-7	2-Chloronaphthalene		U	11
88-74-4	2-Nitroaniline		U.	27
208-96-8	Acenaphthylene	·	Ų	11
131-11-3	Dimethylphthalate		U	11
606-20-2	2.6-Dinitrotoluene		Ū	11
83-32-9	Acenaphthene		U	11
99-09-2	3-Nitroaniline		U	27
51-28-5	2,4-Dinitrophenol		U	27
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene		U	11

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3/90 NY049

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Nev	wburgh	·	c	Contract:	
Lab Code:	10142	C	ase No.:	<u> </u>	SAS No.:	SDG No.: <u>237960</u>
Matrix: (soil/v	vater)	WATER			Lab Sample	ID: 237960-010
Sample wt/vo	ol:	940.0	(g/ml) ML		Lab File ID:	S30358.D
Level: (low/m		LOW	_		Date Receiv	/ed: 7/2/2004
% Moisture:	·	d-	ecanted:(Y/N)	N	Date Extrac	ted: 7/7/2004
Concentrated	Extract	— Volume:	1000 (uL)		Date Analyz	ed: 7/8/2004
Injection Volu					Dilution Fac	tor: 1.0
GPC Cleanup		N	_ pH:	·	Units: (ug/L	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		02	27
86-73-7	Fluorene		U ·	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U	27
534-52-1	4,6-Dinitro-2-methylphenol		U	27
86-30-6	n-Nitrosodiphenylamine (1)		บ	1.1
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	11 .
87-86-5	Pentachlorophenol		U	27
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		. U	11
129-00-0	Pyrene		U··	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine	·	U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		Ų	11
117-81-7	bis(2-Ethylhexyl)phthalate		U	11
117-84-0	Di-n-octylphthalate		U	11
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	11
50-32-8	Benzo(a)pyrene		U	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
62-75-9	n-Nitrosodimethylamine		U	11
53-70-3	Dibenz(a,h)anthracene		U	11
191-24-2	Benzo(g,h,i)perylene		U	11



3/90 Y049

PA 68-378

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.	
W-1S	

Lab Names	STL Ne	whiteah	Contra	ct:	, VV-15	
Lab Name:				No.:	SDG No.: 23796	0
Lab Code:	10142	Case No.:				<del>-</del>
Matrix: (soil/	water)	WATER		Lab Sample	ID: 237960-010	
Sample wt/ve	ol:	940.0 (g/ml) ML	<del></del>	Lab File ID:	S30358.D	_
Level: (low/r	ned)	LOW		Date Receive	ed: 7/2/2004	_
% Moisture:	•	decanted: (Y/N)	N	Date Extracte	ed: <u>7/7/2004</u>	_
Concentrate	d Extract	 Volume: 1000 (uL)		Date Analyze	d: <u>7/8/2004</u>	-
Injection Vol				Dilution Facto	or: 1.0	_
GPC Cleanu	p: (Y/N)	NpH:				
			CONCE	NTRATION U	JNITS:	
Number TICs	s found:	0	(ug/L or	ug/Kg) <u>l</u>	JG/L	
CAS NUME	BER	COMPOUND NAME		RT	EST. CONC.	Q

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EPA NY049

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

FPA	SAMPL	E NO.
-	CONINII	,,,

Lab Name:	STL Ne	wburgh		C	ontract:		10100-13	_
Lab Code:	10142		se No.:		SAS No.:	s	DG No.: 237960	_
Matrix: (soil/v	vater)	WATER			Lab Sampl	e ID:	237960-011	
Sample wt/vo		940.0	(g/mi) ML		Lab File ID	:	S30386.D	
- ' Level: (low/n		LOW	<del>-</del>		Date Recei	ived:	7/2/2004	
% Moisture:	·	de	canted:(Y/N)	N	Date Extra	cted:	7/8/2004	
Concentrated	Extract	Volume:	1000 (uL)		Date Analy	zed:	7/12/2004	
Injection Volu	•	0 (uL)	<del></del>		Dilution Fa	ctor:	1.0	
GPC Cleanu		N	pH:	-	Units: (ug/L	or u	g/Kg) <u>UG/L</u>	

CAS NO. COMPOUND		RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol Phenol		U	11
	2-Chlorophenol		U	11
95-57-8	1,3-Dichlorobenzene		U	11
541-73-1	1,4-Dichlorobenzene		J	11
106-46-7	1,2-Dichlorobenzene		ľ	11
95-50-1	Benzyl alcohol		U	11
100-51-6	2,2'-oxybis(1-Chloropropane)		U	11
108-60-1	2-Methylphenol		٥	11
95-48-7	Hexachloroethane		U	11_
67-72-1	N-Nitroso-di-n-propylamine		Ü	11
621-64-7	4-Methylphenol		U	11
106-44-5.			Ü	11
98-95-3	Nitrobenzene		Ū	11
78-59-1	Isophorone		Ü	11
00-70-0	2-Nitrophenol		U	11
105-67-9	2,4-Dimethylphenol		Ü	- 11
111-91-1	bis(2-Chloroethoxy)methane		U	11
120-83-2	2,4-Dichlorophenol		<u> </u>	11
120-82-1	1,2,4-Trichlorobenzene		U	11
91-20-3	Naphthalene		U	11
106-47-8	4-Chloroaniline		U	11
<u>87-68-3</u>	Hexachlorobutadiene		U	11
59-50-7	4-Chloro-3-methylphenol		U	11
91-57-6	2-Methylnaphthalene		U	11
77-47-4	Hexachlorocyclopentadiene		U	11
88-06-2	2,4,6-Trichlorophenol		U	53
95-95-4	2,4,5-Trichlorophenol		Ü	11
91-58-7	2-Chloronaphthalene		U	27
88-74-4	2-Nitroaniline			11
208-96-8	Acenaphthylene		U	11
131-11-3	Dimethylphthalate		U	11
606-20-2	2,6-Dinitrotoluene		U	
83-32-9	Acenaphthene		U	11
99-09-2	3-Nitroaniline		<u>U</u>	27
51-28-5	2,4-Dinitrophenol		<u> </u>	27
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene		U	11

SEVERN STL

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMP	LE NO	),
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Lab Name:	STL Newburgh			Contract:		MVV-13	
Lab Code:	10142		se No.:		SAS No.:	s	DG No.: 237960
Matrix: (soil/		WATER			Lab Sample	e ID:	237960-011
Sample wt/v		940.0	(g/ml) ML	.,	Lab File ID:		S30386.D
Level: (low/r		LOW			Date Recei	ved:	7/2/2004
% Moisture:	·	dec	anted:(Y/N)	N	Date Extrac	ted:	7/8/2004
Concentrate	d Extract	— Volume: 1	000 (uL)		Date Analys	zed:	7/12/2004
Injection Vol	*	.0 (uL)	<del></del>		Dilution Fac	ctor:	1.0
GPC Cleanu	<del>-</del>	N	pH:		Units: (ug/L	or u	g/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		บฺว	27
86-73-7	Fluorene		U ·	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate	1	J	11
100-01-6	4-Nitroaniline	· · · · · · · · · · · · · · · · · · ·	U	27
534-52-1	4,6-Dinitro-2-methylphenol		U	27
86-30 <b>-</b> 6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		· U	11
87-86-5	Pentachlorophenol		U	27
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	. 11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11
85-68-7	Butyibenzyiphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55 <b>-</b> 3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U	11
117-81-7	bis(2-Ethylhexyl)phthalate	3	J	11
117-81-7	Di-n-octylphthalate		U	11
205-99-2	Benzo(b)fluoranthene		U	11
	Benzo(k)fluoranthene		U	11
207-08-9	Benzo(a)pyrene		U	11
50-32-8	Indeno(1,2,3-cd)pyrene		U	11
193-39-5	n-Nitrosodimethylamine		U	11
62-75-9	Dibenz(a,h)anthracene		J	11
53-70-3 191-24-2	Benzo(g,h,i)perylene		U	11_



3/90 M-11/049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EP/	A SA	MP	LE.	NO

		IENIA	HAFFT IDENTI		MIL OCKDO		MW-13
Lab Name:	STL No	STL Newburgh			tract:	10144-10	
Lab Code:	10142	C	ase No.:	e No.: SAS No.: SE			OG No.: 237960
Matrix: (soil/	water)	WATER			Lab Samp	le ID:	237960-011
Sample wt/v	-	940.0	(g/ml) ML		Lab File ID	):	S30386.D
Level: (low/ı		LOW			Date Rece	ived:	7/2/2004
% Moisture:	•	de	canted: (Y/N)	N	Date Extra	cted:	7/8/2004
Concentrate	d Extract	Volume:	1000 (uL)	,	Date Analy	/zed:	7/12/2004
Injection Vol	ume: 2.	0 (uL)			Dilution Fa	ctor:	1.0
GPC Cleanu	p: (Y/N)	N	pH:				
				CON	CENTRATIO	דומט מ	·S:
Number TIC	s found:	8		(ug/L	or ug/Kg)	UG/L	•

Number TICs found:	8 (ug/L o	r ug/Kg)	UG/L	1
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1, 000134-62-3	Diethyltoluamide	14.27	5	JN
2. 000088-19-7	Benzenesulfonamide, 2-methyl-	14.91	10	JN
3. 000070-55-3	Benzenesulfonamide, 4-methyl-	15.33	15	JN
4.	Unknown CnH2n+2	21.56	2	J
5.	Unknown CnH2n+2	22,20	3	J
6. 000112-95-8	Eicosane	22.81	3	JN
7	Unknown CnH2n+2	23.42	3	J
8	Unknown CnH2n+2	23.99	3	J

EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

W-2S	
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Lab Name:	STL Ne	wburgh		Co	ontract:	
Lab Code:	10142	Cas	se No.:	<del></del>	SAS No.: S	SDG No.: 237960
Matrix: (soil/v	vater)	WATER	_		Lab Sample ID:	237960-012
Sample wt/vo	oi:	940.0	(g/ml) ML		Lab File ID:	S30357.D
Level: (low/m	ned)	LOW	_		Date Received:	7/2/2004
% Moisture:	•	dec	anted:(Y/N)	N	Date Extracted:	7/7/2004
Concentrated	Extract	Volume: 1	000 (uL)		Date Analyzed:	7/8/2004
Injection Volu	me: 2.	0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	N	pH:		Units: (ug/L or u	g/Kg) <u>UG/L</u>

111-44-4	CAS NO.	COMPOUND	RESULT	Q ·	RL
108-95-2	111_44_4	bis(2-Chloroethyl)ether		U	11
95-57-8   2-Chlorophenol   U	<u></u>				
1,3-Dichlorobenzene				U	11
106-46-7				U	11
1.2-Dichlorobenzene				U	11
100-51-6				U	11
108-60-1   2,2'-oxybis(1-Chloropropane)				U	11
95-48-7   2-Methylphenol   U   11   67-72-1   Hexachloroethane   U   11   61-64-7   N-Nitroso-di-n-propylamine   U   11   11   621-64-7   N-Nitroso-di-n-propylamine   U   11   11   106-44-5   4-Methylphenol   U   11   11   198-95-3   Nitrobenzene   U   11   11   11   11   12   13   13   14   15   15   15   15   15   15   15		2.2'-oxybis(1-Chloropropane)		U	11
Hexachloroethane				U	11
106-44-5				U	11
106-44-5				U	11
98-95-3   Nitrobenzene				U	11
11				Ü	11
88-75-5   2-Nitrophenol				Ú.	11
105-67-9				U	11
111-91-1   bis(2-Chloroethoxy)methane	00-70-0			U	11
120-83-2				U	11
120-82-1				Ū	11
12-0-2-1				บัง	11
106-47-8					
87-68-3         Hexachlorobutadiene         U         11           59-50-7         4-Chioro-3-methylphenol         U         11           91-57-6         2-Methylnaphthalene         U         11           77-47-4         Hexachlorocyclopentadiene         U         11           88-06-2         2,4,6-Trichlorophenol         U         11           95-95-4         2,4,5-Trichlorophenol         U         53           91-58-7         2-Chioronaphthalene         U         11           88-74-4         2-Nitroaniline         U         27           208-96-8         Acenaphthylene         U         11           131-11-3         Dimethylphthalate         U         11           606-20-2         2,6-Dinitrotoluene         U         11           83-32-9         Acenaphthene         U         11           99-09-2         3-Nitroaniline         U         27           51-28-5         2,4-Dinitrophenol         U         27           132-64-9         Dibenzofuran         U         11           121-14-2         2,4-Dinitrotoluene         U         11					. 11
59-50-7         4-Chioro-3-methylphenol         U         11           91-57-6         2-Methylnaphthalene         U         11           77-47-4         Hexachlorocyclopentadiene         U         11           88-06-2         2,4,6-Trichlorophenol         U         11           95-95-4         2,4,5-Trichlorophenol         U         53           91-58-7         2-Chloronaphthalene         U         11           88-74-4         2-Nitroaniline         U         27           208-96-8         Acenaphthylene         U         11           131-11-3         Dimethylphthalate         U         11           606-20-2         2,6-Dinitrotoluene         U         11           83-32-9         Acenaphthene         U         11           99-09-2         3-Nitroaniline         U         27           51-28-5         2,4-Dinitrophenol         U         27           132-64-9         Dibenzofuran         U         11           121-14-2         2,4-Dinitrotoluene         U         11				U	11
91-57-6   2-Methylnaphthalene   U				U	11
77-47-4         Hexachlorocyclopentadiene         U         11           88-06-2         2,4,6-Trichlorophenol         U         11           95-95-4         2,4,5-Trichlorophenol         U         53           91-58-7         2-Chloronaphthalene         U         11           88-74-4         2-Nitroaniline         U         27           208-96-8         Acenaphthylene         U         11           131-11-3         Dimethylphthalate         U         11           606-20-2         2,6-Dinitrotoluene         U         11           83-32-9         Acenaphthene         U         11           99-09-2         3-Nitroaniline         U         27           51-28-5         2,4-Dinitrophenol         U         27           132-64-9         Dibenzofuran         U         11           121-14-2         2,4-Dinitrotoluene         U         11				U	11
17-47-4   Trickachiotocyclopentedistric   18-06-2   2,4,6-Trichlorophenol   U   11   95-95-4   2,4,5-Trichlorophenol   U   53   91-58-7   2-Chloronaphthalene   U   11   11   11   11   12   131-11-3   Dimethylphthalate   U   11   11   11   11   11   11   11					11
95-95-4   2,4,5-Trichlorophenol   U   53     91-58-7   2-Chloronaphthalene   U   11     88-74-4   2-Nitroaniline   U   27     208-96-8   Acenaphthylene   U   11     131-11-3   Dimethylphthalate   U   11     606-20-2   2,6-Dinitrotoluene   U   11     83-32-9   Acenaphthene   U   11     99-09-2   3-Nitroaniline   U   27     51-28-5   2,4-Dinitrophenol   U   27     132-64-9   Dibenzofuran   U   11     121-14-2   2,4-Dinitrotoluene   U   11     121-14-2   2,4-Dinitrotoluene   U   11     121-14-2   2,4-Dinitrotoluene   U   11     121-14-2   2,4-Dinitrotoluene   U   11     121-14-2   2,4-Dinitrotoluene   U   11     131-14-2   2,4-Dinitrotoluene   U   11     141-14-2   2,4-Dinitrotoluene   U   11     151-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7   111-158-7					
91-58-7   2-Chloronaphthalene					
STI Newburgh is a part of Severn Trent Laboratories, Inc.					
208-96-8   Acenaphthylene					
131-11-3   Dimethylphthalate   U			<del></del>		
131-11-3   Dimetryprinates   U					
83-32-9   Acenaphthene					
99-09-2 3-Nitroaniline U 27  51-28-5 2,4-Dinitrophenol U 27  132-64-9 Dibenzofuran U 11  121-14-2 2,4-Dinitrotoluene U 11					
51-28-5   2,4-Dinitrophenol   U   27					
132-64-9			_		
132-04-9 Dibert20td at 1  121-14-2 2,4-Dinitrotoluene U 11  STL Newburgh is a part of Severn Trent Laboratories, Inc.			<del> </del>		
STL Newburgh is a part of Severn Trent Laboratories, Inc.			-		
	121-14-2	STL Newburgh is a part of Sev	ern Trent Laboratories, Inc.		315F

SEVERN STL

3/90 M-11/049

PA 68-378

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

W-2S		

EPA SAMPLE NO.

Lab Name:	STL Ne	whirah		C	ontract:	,, 20	
			ase No.:	<del></del> -	SAS No.:	SDG No.: 2	237960
Lab Code:	10142		ise No			-	
Matrix: (soil/v	vater)	WATER	_		Lab Sample	ID: <u>237960-0</u>	12
Sample wt/vo	ol:	940.0	(g/ml) ML		Lab File ID:	S30357.D	<u> </u>
Level: (low/n		LOW			Date Receiv	ed: <u>7/2/2004</u>	
% Moisture:	•	de	 canted:(Y/N)	N	Date Extract	ed: 7/7/2004	
Concentrated	Extract	 Volume:	1000 (uL)		Date Analyz	ed: 7/8/2004	<del></del>
Injection Volu					Dilution Fact	or: <u>1.0</u>	
GPC Cleanup	_	N	pH:	_	Units: (ug/L	or ug/Kg) <u>UG/</u>	<u>L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U 2	27
86-73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U	27
534-52-1	4,6-Dinitro-2-methylphenol		U	27
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		Ü	11
87-86-5	Pentachlorophenol		U	27
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U	11
117-81-7	bis(2-Ethylhexyl)phthalate		U	11
117-84-0	Di-n-octylphthalate		U	11
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	· 11
50-32-8	Benzo(a)pyrene		U	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
	n-Nitrosodimethylamine		U	11
62-75-9	Dibenz(a,h)anthracene		U	11
53-70-3 191-24-2	Benzo(g,h,i)perylene		U	11

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SA	MPLE	NO.
W-2S		

Lab Name:	STL Ne	wburgh	•	Contrac	ot:		,
Lab Code:	10142		se No.:	SAS	No.:	SDG No.: 2379	960
Matrix: (soil/	water)	WATER	_	j	Lab Sample	ID: <u>237960-012</u>	
Sample wt/vo	ol:	940.0	(g/ml) ML	·	Lab File ID:	S30357.D	
Level: (low/r	ned)	LOW	_	1	Date Receive	ed: 7/2/2004	
% Moisture:	-	dec	anted: (Y/N)	<u>N'</u>	Date Extract	ed: 7/7/2004	_
Concentrated	d Extract	Volume:	1000 (uL)	-	Date Analyze	ed: 7/8/2004	
Injection Volu		· ·	-	!	Dilution Fact	or: <u>1.0</u>	<del></del>
GPC Cleanu	p: (Y/N)	N	pH:				
				CONCE	NTRATION (	STINL:	
Number TICs	s found:	0	<del>_</del>	(ug/L or	ug/Kg) <u>l</u>	JG/L	
CAS NUME	BER	COMPO	JND NAME		RT	EST, CONC.	Q

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EPA SAMPLE NO.

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-7
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Lab Name: S	STL New	/burah		C	Contract:	14144-1
· ·	10142		se No.:		SAS No.: SI	DG No.: 237960
Matrix: (soil/wa	ater)	WATÈR			Lab Sample ID:	237960-013
Sample wt/vol:		980.0	(g/ml) ML		Lab File ID:	S30387.D
Level: (low/me	∍d)	LOW			Date Received:	7/2/2004
% Moisture:		ded	- canted:(Y/N)	N	Date Extracted:	7/8/2004
Concentrated E	Extract V	 /olume: '	1000 (uL)		Date Analyzed:	7/12/2004
Injection Volum	ne: 2.0	0 (uL)			Dilution Factor:	1.0
GPC Cleanup:		N	pH:		Units: (ug/L or ug	g/Kg) <u>UG/L</u>
,	· ·		***	_		

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U'	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene	-	U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		U	10
621-64-7	N-Nitroso-di-n-propylamine		Ū	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		U	10
88-75-5	2-Nitrophenol		U	10
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		UJ	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chioroaniline		U	· 10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	51
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline		U	26
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene		<u> </u>	10
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	26
51-28-5	2.4-Dinitrophenol		U	26
132-64-9	Dibenzofuran		U	10
121-14-2	2,4-Dinitrotoluene		U	10

EVERN STL

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### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

						MW-7
Lab Name:	STL Ne	ewburgh		Cont	ract:	_
Lab Code:	10142	Ca	se No.:	SA	\S No.: S	DG No.: 237960
Matrix: (soll/v	vater)	WATER	_		Lab Sample ID:	237960-013
Sample wt/vo	ol:	980.0	(g/ml) ML		Lab File ID:	S30387.D
Level: (low/r	ned)	LOW	_		Date Received:	7/2/2004
% Moisture:		de	canted:(Y/N)	N_	Date Extracted:	7/8/2004
Concentrated	Extract	Volume:	1000 (uL)	٠	Date Analyzed:	7/12/2004
Injection Volu	ume: 2	2.0 (uL)	· · · · · · · · · · · · · · · · · · ·		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH:		Units: (ug/L or u	g/Kg) <u>UG/L</u>
CAS NO.		COMPOUN	D		RESU	LT Q

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		UI	26
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenoi		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U ·	10
87-86-5	Pentachiorophenol		U	26
85-01-8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	. 10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		U·	10
85-68-7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benzo(a)anthracene		U	10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate		U	10
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		<u> </u>	10



3/90 NY049

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

i		_
	MW-7	

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh		Contra	ct:		14/4-1	<del></del>
Lab Code:	10142	Ca	se No.:	SAS	No.:	_ si	DG No.: <u>237</u>	960
Matrix: (soil/	water)	WATER	_		Lab Sample	e ID:	237960-013	
Sample wt/vo	ol:	980.0	(g/ml) ML		Lab File ID:		S30387.D	
Level: (low/r	ned)	LOW	-		Date Recei	ved:	7/2/2004	
% Moisture:		deca	anted: (Y/N)	<u>N</u>	Date Extrac	ted:	7/8/2004	
Concentrated	d Extract	Volume: 1	(uL)		Date Analyz	zed:	7/12/2004	
Injection Volu	ıme: <u>2.</u>	0 (uL)			Dilution Fac	tor:	1.0	
GPC Cleanu	p: (Y/N)	<u>N</u>	pH:					
•				CONCE	NTRATION	UNIT	ΓS:	-
Number TICs	s found:	0	<del>_</del>	(ug/L or	ug/Kg)	UG/L		
CAS NUMP	3FR	COMPOU	IND NAME		RT	ES	T. CONC.	Q

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## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburgh		C	ontract:	MVV-3N
Lab Code:	10142	Ca	se No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/v	vater)	WATER			Lab Sample	ID: 237960-014
Sample wt/vo	ol:	970.0	(g/ml) ML		Lab File ID:	S30388.D
Level: (low/n	ned)	LOW			Date Receive	ed: <u>7/2/2004</u>
% Moisture:		de	canted:(Y/N)	N	Date Extracte	ed: <u>7/8/2004</u>
Concentrated	Extract	— Volume:	1000 (uL)		Date Analyze	ed: 7/12/2004
Injection Volu	ıme: 2	.0 (uL)			Dilution Facto	or: 1.0
GPC Cleanup	· _	N	pH:	_	Units: (ug/L o	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chioroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U	10
541-73-1	1,3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		כ	10
95-48-7	2-Methylphenol		U	10
67 <i>-</i> 72-1	Hexachioroethane		<u>. U</u>	10
621-64-7	N-Nitroso-di-n-propylamine		U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		. U	10
88-75-5	2-Nitrophenol		U	. 10
105-67-9	2.4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichlorobenzene		υJ	10
91-20-3	Naphthalene	· ·	U	10
106-47-8	4-Chloroaniline		U	· 10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U_	52
91-58-7	2-Chloronaphthalene		U	10
88-74-4	2-Nitroaniline		U	26
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene		U	10
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	26
51-28-5	2,4-Dinitrophenol		U	26
132-64-9	Dibenzofuran		U	10
121-14-2	2,4-Dinitrotoluene	Total characteries Inc	Ū	10

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3/90 M-NY049

PA 68-378

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	STL Ne	wburgh		c	ontract:	
Lab Code:	10142	С	ase No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/v	vater)	WATER			Lab Sample	ID: <u>237960-014</u>
Sample wt/vo	oi:	970.0	(g/ml) ML		Lab File ID:	S30388.D
Level: (low/n	ned)	LOW			Date Receiv	red: 7/2/2004
% Moisture:	,	de	ecanted:(Y/N)	N	Date Extract	ted: 7/8/2004
Concentrated	Extract	 Volume:	1000 (uL)		Date Analyz	ed: 7/12/2004
Injection Volu		.0 (uL)			Dilution Fact	tor: 1.0
GPC Cleanup		N	pH:		Units: (ug/L	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		UJ	26
86-73-7	Fluorene		บ	. 10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether	<u> </u>	U	<u>10</u>
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		U	26
85-01-8	Phenanthrene		U	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		U	10
129-00-0	Pyrene		U	10
85-68-7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benzo(a)anthracene		U	10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate		J	10
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		Ú	10
207-08-9	Benzo(k)fluoranthene		J	10
50-32-8	Benzo(a)pyrene		Ü	10
193-39-5	Indeno(1,2,3-cd)pyrene		Ú	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		U	10



3/90 M-NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMF	LE	NO

MW-3N

•		
SAS No.: S	SDG No.: 237960	
Lab Sample ID:	237960-014	
Lab File ID:	S30388.D	
Date Received:	7/2/2004	
Date Extracted:	7/8/2004	
Date Analyzed:	7/12/2004	
Dilution Factor:	1.0	
	Lab Sample ID: Lab File ID: Date Received: Date Extracted: Date Analyzed:	

#### CONCENTRATION UNITS:

Number TICs found:	10	(ug/L or ug/Kg)	UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
4	Unknown	10.48	2	J
2.	C8H14 isomer	11.19	2	J
3.	C8H14 isomer	11.56	3 _	J
•	Unknown	12.02	2	J
	Unknown	12.20	2	J
6.	Unknown	12.47	4	J
7	Unknown	12.60	. 2	J
8.	Benzene isomer	12.98	2	J
9.	Unknown	14.71	4	J
10. 000057-10-3	Hexadecanoic acid	17,67	3	JN

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	MW-8B
·	

Lab Name:	STL Ne	wburgh		(	Contract:	
Lab Code:	10142	Ca	ase No.:	<del></del>	SAS No.: S	DG No.: 237960
Matrix: (soil/v	vater)	WATER			Lab Sample ID:	237960-015
Sample wt/vo	oi;	950.0	(g/ml) <u>ML</u>		Lab File ID:	S30389.D
Level: (low/m	ned)	LOW	_		Date Received:	7/2/2004
% Moisture:		de	canted:(Y/N)	N	Date Extracted:	7/8/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	7/12/2004
Injection Volu	ıme: 2	.0 (uL)	·		Dilution Factor:	1.0
GPC Cleanup		N	pH:	_	Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	11
541-73-1	1,3-Dichlorobenzene		U	11
106-46-7	1,4-Dichlorobenzene		U	11
95-50-1	1,2-Dichlorobenzene		٦	11
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-di-n-propylamine		U	11
106-44-5	4-Methylphenol		U	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U.	11
88-75 <b>-</b> 5	2-Nitrophenol		U	. 11
105-67-9	2,4-Dimethylphenol		U	11
	bis(2-Chioroethoxy)methane		U	· 11
111-91-1	2,4-Dichlorophenol		U	11
120-83-2	1,2,4-Trichlorobenzene		UJ	11
120-82-1	Naphthalene		U	11
91-20-3	4-Chloroaniline		U	· 11
106-47-8	Hexachlorobutadiene		U	11
87-68-3	4-Chloro-3-methylphenol		U	11
59-50-7	2-Methylnaphthalene		U	11
91-57-6	Hexachlorocyclopentadiene		U	11
77-47-4	2,4,6-Trichlorophenol		U	11
88-06-2	2,4,5-Trichlorophenol		Ū	53
95-95-4	2-Chloronaphthalene		U	11
91-58-7	2-Onoronaphinalerie		Ū	26
88-74-4			Ū	11
208-96-8	Acenaphthylene		Ű	11
131-11-3	Dimethylphthalate		Ü	11
606-20-2	2,6-Dinitrotoluene		- <del>-</del> U	11
83-32-9	Acenaphthene		_ <del>U</del>	26
99-09-2	3-Nitroaniline		<del>- U</del>	26
51-28-5	2,4-Dinitrophenol		U	11
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene STL Newburgh is a part of Sev	Trank I observation Inc.	<u> </u>	

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#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA SAMPLE</b>	NO
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	01.	IVII V OLDATI IL				MW-8B	
Lab Name:	STL Ne	wburgh		Contra	act:		
		0142 Case No.:		SAS No.:		SDG No.: 237960	
Matrix: (soil/v	vater)	WATER	_		Lab Sample ID:	237960-015	
Sample wt/vo	•	950.0	(g/ml) ML		Lab File ID:	S30389.D	
Level: (low/n		LOW	_		Date Received:	7/2/2004	
% Moisture:		de	canted:(Y/N)	N	Date Extracted:	7/8/2004	
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	7/12/2004	
Injection Volu		.0 (uL)			Dilution Factor:	1.0	
GPC Cleanup	_	N	pH:		Units: (ug/L or ug	g/Kg) <u>UG/L</u>	

CAS NO.	COMPOUND	RESULT	RL	
100-02-7	4-Nitrophenol		UJ	26
86-73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenol		Ü	26
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	11
87-86-5	Pentachiorophenol		U	26
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U.	11
	Chrysene		U	11
218-01-9	bis(2-Ethylhexyl)phthalate		U	11
117-81-7	Di-n-octylphthalate		U	11
117-84-0	Benzo(b)fluoranthene		U	11
205-99-2			U	11
207-08-9	Benzo(k)fluoranthene		U	11
50-32-8	Benzo(a)pyrene		Ü	11
193-39-5	Indeno(1,2,3-cd)pyrene		Ü	11
62-75-9	n-Nitrosodimethylamine		Ü	11
53-70-3	Dibenz(a,h)anthracene		Ü	11
191-24-2	Benzo(g.h.i)perylene			

SEVERN STL NYSDOH 10142

EPA NY049

3/90 NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAM	PLE	NO.
3.4347	o D		

Lab Name:	STL Nev	wburgh		Contra	ct:			
Lab Code:	10142	Case No.:		SAS	No.:	_ s	DG No.: <u>23</u>	7960
Matrix: (soll/v	vater)	WATER			Lab Sample	e ID:	237960-018	5
Sample wt/vo	i:	950.0 (g/ml) ML			Lab File ID:	:	S30389.D	
Level: (low/n	ned)	LOW			Date Recei	ved:	7/2/2004	
% Moisture:		decanted: (Y/N)	N		Date Extra	cted:	7/8/2004	
Concentrated	Extract `	Volume: 1000 (uL)			Date Analyz	zed:	7/12/2004	
Injection Volu	ıme: <u>2.0</u>	) (uL)			Dilution Fac	ctor:	1.0	
GPC Cleanur	o: (Y/N)	N pH:	_					
			c	ONCE	NTRATION	UNI	TS:	
Number TICs	found:	0	(	ug/L or	ug/Kg)	UG/	<u> </u>	_ <sub>[</sub>
CAS NUMB	ER	COMPOUND NAME			RT	ES	T. CONC.	Q

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

•	MW-8A	

Lab Name:	STL Ne	wburgh	(	Contract:	_
Lab Code:	10142	Case No.:		SAS No.: S	DG No.: <u>237960</u>
Matrix: (soil/v	vater)	WATER		Lab Sample ID:	237960-016
Sample wt/vo	ol:	950.0 (g/ml)	ML	Lab File ID:	S30390.D
Level: (low/n	ned)	LOW		Date Received:	7/2/2004
% Moisture:		decanted:()	//N) <u>N</u>	Date Extracted:	7/8/2004
Concentrated	Extract	 Volume: 1000	(uL)	Date Analyzed:	7/12/2004
Injection Volu	me: 2.	.0 (uL)	•	Dilution Factor:	1.0
GPC Cleanup		NpH:		Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		UR UR	11
108-95-2	Phenol			11
95-57-8	2-Chlorophenol		υR	11
541-73-1	1,3-Dichlorobenzene		UR	11
106-46-7	1,4-Dichlorobenzene		U R U R U R	11
95-50-1	1,2-Dichlorobenzene			11
100-51-6	Benzyl alcohol		υK	11
108-60-1	2,2'-oxybis(1-Chloropropane)		<u> </u>	11
95-48-7	2-Methylphenol		UR	<u> </u>
67-72-1	Hexachioroethane		U B	11
621-64-7	N-Nitroso-di-n-propylamine		U B	11
106-44-5	4-Methylphenol		υR	11
98-95-3	Nitrobenzene		U R	11
78-59-1	Isophorone			11
	2-Nitrophenol ····	-	UR	11
105-67-9	2,4-Dimethylphenol		υŖ	11
111-91-1	bis(2-Chloroethoxy)methane		UR	11
120-83-2	2,4-Dichlorophenol		U R	11
120-82-1	1,2,4-Trichlorobenzene		U <b>T</b> R	11
91-20-3	Naphthalene		UR	11
106-47-8	4-Chloroaniline			11
87-68-3	Hexachlorobutadiene		UR	11
59-50-7	4-Chioro-3-methylphenol		UR	11
91-57-6	2-Methylnaphthalene		U R	11
77-47-4	Hexachlorocyclopentadiene		υĶ	11
88-06-2	2,4,6-Trichlorophenol		UR	11
95-95-4	2,4,5-Trichlorophenol		υR	53
91-58-7	2-Chloronaphthalene		UR	11
88-74-4	2-Nitroaniline		UR	26
208-96-8	Acenaphthylene		U R U R	11
131-11-3	Dimethylphthalate			11
606-20-2	2.6-Dinitrotoluene		UR	11
83-32-9	Acenaphthene		U R U R	11
99-09-2	3-Nitroaniline		UR	26
51-28-5	2,4-Dinitrophenol		υß	26
132-64-9	Dibenzofuran		UR	11
121-14-2	2,4-Dinitrotoluene STL Newburgh is a part of Sever		UR	11

STL Newburgh 315 Fullerton Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

3/90 NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

	CALADI	FNO
EPA	SAMPL	LE NO

Lab Name:	OTI No	ewburgh	С	onfract:	MW-8A
Lab Code:	10142	Case No.:			SDG No.: 237960
Matrix: (soil/	-	WATER	<del></del>	Lab Sample ID:	237960-016
Sample wt/v		950.0 (g/ml) ML		Lab File ID:	S30390.D
Level: (low/r		LOW ·		Date Received:	7/2/2004
% Moisture:		decanted:(Y/N)	N_	Date Extracted:	7/8/2004
Concentrate	d Extract	Volume: 1000 (uL)		Date Analyzed:	7/12/2004
Injection Vol	ume: 2	2.0 (uL)		Dilution Factor:	1.0
CDC Cleanu		N pH:		Units: (ug/L or ι	ıg/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U TR	26
86-73-7	Fluorene			11
7005-72-3	4-Chlorophenyl-phenylether		υR	11
84-66-2	Diethylphthalate		UR	11
100-01-6	4-Nitroaniline		UR	26
	4,6-Dinitro-2-methylphenol		UR	26
534-52-1	n-Nitrosodiphenylamine (1)		UR	11
86-30-6	4-Bromophenyl-phenylether		υį	11
101-55-3	Hexachiorobenzene		UR	11
118-74-1	Pentachiorophenol		UR	26
87-86-5	Phenanthrene		U R	11
85-01-8				11
120-12-7	Anthracene	-	UR	11
84-74-2	Di-n-butylphthalate		UR	11
206-44-0	Fluoranthene		Ū įŽ	11
129-00-0	Pyrene		UR	11
<u>85-68-7</u>	Butylbenzylphthalate		UR	11
91-94-1	3,3'-Dichlorobenzidine		ÜŔ	11
56-55-3	Benzo(a)anthracene		UR	11
218-01-9	Chrysene		U R	, 11
117-81-7	bis(2-Ethylhexyl)phthalate		UR	11
117-84-0	Di-n-octylphthalate			11
205-99-2	Benzo(b)fluoranthene			11
207-08-9	Benzo(k)fluoranthene		UR	11
50-32-8	Benzo(a)pyrene		<u> </u>	11
193-39-5	Indeno(1,2,3-cd)pyrene		UR	
62-75-9	n-Nitrosodimethylamine			11
53-70-3	Dibenz(a,h)anthracene			11
191-24-2	Benzo(g,h,i)perylene		UR	11

3/90 NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
MANAL RA	

			Contrac	- <b>f</b> +	14144-07	
Lab Name:	STL Ne	wburgh	<del></del>	·		1000
Lab Code:	10142	Case No.:	SAS		_ SDG No.: <u>237</u>	
Matrix: (soil/v	vater)	WATER		Lab Sample	ID: <u>237960-016</u>	
Sample wt/vo	ol:	950.0 (g/ml) ML		Lab File ID:	S30390.D	
Level: (low/n		LOW		Date Receiv	red: 7/2/2004	<del></del>
% Moisture:	:- = <b>:</b>	decanted: (Y/N)	N	Date Extrac	ted: 7/8/2004	
Concentrated	1 Extract	<del></del>		Date Analyz	ed: 7/12/2004	
Injection Volu				Dilution Fac	tor: 1.0	
GPC Cleanup	p: (Y/N)	NpH:	_			
			CONCE	NTRATION	UNITS:	
Number TICs	s found:	0	(ug/L or	ug/Kg)	UG/L	1
CAS NUME	3ER	COMPOUND NAME		RT	EST. CONC.	Q
,						

EPA SAMPLE NO	Э.	Ν	E	PL	Ν	Α	S	Α	P	E
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EMIVOLATILE ORGANICS AN	ALYSIS DA	MASHEEL	1	
			MW-8ARR	
ewburgh	Contract:			

Lab Name: STL N SAS No.: SDG No.: 237960 Lab Code: 10142 Case No.: Lab Sample ID: 237960-016RR Matrix: (soil/water) WATER Sample wt/vol: Lab File ID: 1000.0 (g/ml) ML S30447.D Level: (low/med) Date Received: 7/2/2004 LOW decanted:(Y/N) Date Extracted: 7/14/2004 % Moisture: Concentrated Extract Volume: 1000 (uL) Date Analyzed: 7/19/2004 Injection Volume: 2.0 (uL) Dilution Factor: 1.0 GPC Cleanup: (Y/N) Units: (ug/L or ug/Kg) UG/L pH:

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		0.21	10
108-95-2	Phenol		0.2	10
95-57-8	2-Chlorophenol		0.5	10
541-73-1	1,3-Dichlorobenzene		U 3	10
106-46-7	1,4-Dichlorobenzene		0.2	10
95-50-1	1,2-Dichlorobenzene		0.7	10
100-51-6	Benzyl alcohol		U 3	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U 3	10
95-48-7	2-Methylphenol		U T	10
67-72-1	Hexachloroethane		บธ	10
621-64-7	N-Nitroso-di-n-propylamine		0.2	10
106-44-5	4-Methylphenol		UJ	10
98-95-3	Nitrobenzene		0.2	10
78-59-1	Isophorone		υJ	10
88-75-5	2-Nitrophenol		U 5	10
105-67-9	2,4-Dimethylphenol		· 02	10
111-91-1	bis(2-Chioroethoxy)methane		03	10
120-83-2	2,4-Dichlorophenol		US	10
120-82-1	1,2,4-Trichlorobenzene		0.2	10
91-20-3	Naphthalene		0.2	10
106-47-8	4-Chloroaniline		U 3	10
87-68-3	Hexachlorobutadiene		U 2	10
59-50-7	4-Chloro-3-methylphenol		U J	10
91-57-6	2-Methylnaphthalene		ひず	10
77-47-4	Hexachlorocyclopentadiene		U T	10
88-06-2	2,4,6-Trichlorophenol		ប់រ	10
95-95-4	2,4,5-Trichlorophenol		0.2	50
91-58-7	2-Chloronaphthalene		บจ	10
88-74-4	2-Nitroaniline		บัง	25
208-96-8	Acenaphthylene		U 2	10
131-11-3	Dimethylphthalate		0.2	10
606-20-2	2,6-Dinitrotoluene		0.2	10
83-32-9	Acenaphthene		U 2	10
99-09-2	3-Nitroaniline		0.2	25
51-28-5	2,4-Dinitrophenol		0 2	25
132-64-9	Dibenzofuran		n <u>2</u>	10
121-14-2	2,4-Dinitrotoluene		0.3	<del>- 980£</del>

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EPA NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	0/	1 1 1	) I	NO
EPA	⊙⊬	NVII	~LC	NO.

Lab Name:	STL Ne	wburgh		c	ontract:	MW-8ARR
Lab Code:	10142	C	ase No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/v	water)	WATER	<u> </u>		Lab Sample IC	: 237960-016RR
Sample wt/vo	ol:	1000.0	(g/ml) <u>ML</u>		Lab File ID:	S30447.D
Level: (low/n	ned)	LOW			Date Received	7/2/2004
% Moisture:		de	ecanted:(Y/N) _	N	Date Extracted	: 7/14/2004
Concentrated	d Extract	Volume:	1000 (uL)		Date Analyzed	7/19/2004
Injection Volu	ıme: <u>2</u>	.0 (uL)			Dilution Factor:	1.0
GPC Cleanur	o: (Y/N)	N	nH·		Units: (ua/L or )	ug/Kg) UG/I

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		0 <u>2</u>	25
86-73-7	Fluorene		<u>0 2</u>	10
7005-72-3	4-Chlorophenyl-phenylether		0.5	10
84-66-2	Diethylphthalate		U 3	10
100-01-6	4-Nitroaniline		UJ	25
534-52-1	4,6-Dinitro-2-methylphenol		U 2	25
86-30-6	n-Nitrosodiphenylamine (1)		U 3	10
101-55-3	4-Bromophenyl-phenylether		U J	10
118-74-1	Hexachlorobenzene		U 7	10
87-86-5	Pentachlorophenol		∪ . <u>2.</u>	25
85-01-8	Phenanthrene		n 2	10
120-12-7	Anthracene	<u> </u>	U 2	10
84-74-2	Di-n-butylphthalate	1	1.2	10
206-44-0	Fluoranthene		U 2	10
129-00-0	Pyrene		n 2	10
85-68-7	Butylbenzylphthalate			10
91-94-1	3,3'-Dichlorobenzidine		U 2	10
56-55-3	Benzo(a)anthracene		Uゴ	10
218-01-9	Chrysene		በ 2	10
117-81-7	bis(2-Ethylhexyl)phthalate	1	្រ	10
117-84-0	Di-n-octylphthalate		υĭ	10
205-99-2	Benzo(b)fluoranthene		N 2	10
207-08-9	Benzo(k)fluoranthene		U 2	10
50-32-8	Benzo(a)pyrene		บวิ	10
193-39-5	Indeno(1,2,3-cd)pyrene		0.2	10
62-75-9	n-Nitrosodimethylamine		បង្	10
53-70-3	Dibenz(a,h)anthracene		U <u>1</u>	10
191-24-2	Benzo(g,h,i)perylene		0.2	10

000593



## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAME	'LE	NO

Lab Name:	STL Ne	whurah	Contra	ct:		MW-8ARR	
Lab Name.	SIL NO		· ·			2.11	
Lab Code:	10142	Case No.:	SAS	No.:	_ SD	G No.: 237	960
Matrix: (soil/w	/ater)	WATER	•	Lab Sample	e ID: 2	237960-016	R
Sample wt/vo	d:	1000.0 (g/ml) ML	·	Lab File ID	: 5	30447.D	
Level: (low/m	ned)	LOW		Date Recei	ived: <u>7</u>	//2/2004	
% Moisture:		decanted; (Y/N)	N	Date Extra	cted: 7	//14/2004	
Concentrated	Extract	Volume: 1000 (uL)	)	Date Analy	zed: <u>7</u>	/19/2004	
Injection Volu	me: <u>2.0</u>	) (uL)		Dilution Fac	ctor: 1	.0	
GPC Cleanup	): (Y/N)	<u>N</u> pH:	<del></del>				
•			CONCE	NTRATION	ז ואט ו	3:	
Number TICs	found:	1	(ug/L or	ug/Kg)	UG/L	<u> </u>	
CAS NUMB	ER	COMPOUND NAME		RT	EST	, CONC.	Q

1,2-Benzenedicarboxylic acid, but

000085-69-8

16.87

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EDA	CAMPI	_	NO
EPA	SAMPL	.⊏	IVO,

Lab Name:	STL Ne	wburgh		Contract:	MIVV-2N
Lab Code:	10142	Са	se No.:	SAS No.:	SDG No.: 237960
Matrix: (soil/v	water)	WATER	_	Lab Samp	le ID: 237960-017
Sample wt/vo	ol:	950.0	(g/ml) ML	Lab File IC	s30391.D
Level: (low/n	ned)	LOW	_	Date Rece	ived: 7/2/2004
% Moisture:		ded	canted:(Y/N)	N Date Extra	cted: 7/8/2004
Concentrated	Extract	Volume:	1000 (uL)	Date Analy	zed: 7/12/2004
Injection Volu	ıme: 2	.0 (uL)		Dilution Fa	ctor: 1.0
GPC Cleanu	 p: (Y/N)	N	pH:	Units: (ug/l	or ug/Kg) UG/L

NO. COMPOUND		Q	RL
loroethyl)ether		U	11
-		U	11
phenol		U	11
lorobenzene		U	11
lorobenzene	3	J	11
lorobenzene		U	11
Icohol		U	11
ois(1-Chioropropane)		U	11
phenol		U	11
oroethane		U	11
o-di-n-propylamine		U	11
phenol		U	11
zene		U	11
ne		U	<u> </u>
nenol · · · · ·		U	11
ethylphenol		Ų	11
loroethoxy)methane		U	11
lorophenol		U	11
chlorobenzene		0.2	11
lene	5	J	11
aniline		U	· 11·
orobutadiene		U	11
-3-methylphenol		U	11
naphthalene	2	J	11
procyclopentadiene		U	11
chlorophenol		U	11
chlorophenol		<u>U</u>	53
naphthalene		U	11
niline		U	26
thylene		U	11
phthalate		U	11
rotoluene		U	11
thene			11
niline			26
rophenol			26
uran			11
rotoluene		U	11
ti	nene line ophenol iran otoluene	nene line ophenol iran	nene U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIII U IIIII U IIII  U IIII  U IIII  U IIII  U IIII

SEVERN STL

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAME	LE	NO.
	O/WHI		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

Lab Name:	STL Ne	wburgh		(	Contract:	MVV-2N
Lab Code:	10142	<del></del>	ise No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/w	vater)	WATER	_		Lab Sample I	D: <u>237960-017</u>
Sample wt/vo	ol:	950.0	(g/ml)	ML	Lab File ID:	S30391.D
Level: (low/m	ned)	LOW	_		Date Received	i: <u>7/2/2004</u>
% Moisture:		de	canted:(\	Y/N) <u>N</u>	Date Extracted	d: 7/8/2004
Concentrated	Extract	Volume:	1000	(uL)	Date Analyzed	: 7/12/2004
Injection Volu	ıme: 2	.0 (uL)			Dilution Factor	: 1.0
GPC Cleanup		N	рН:		Units: (ug/L or	ug/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		υσ	26
86-73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline		U U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	<u> </u>
87-86-5	Pentachlorophenol		U	26
85-01-8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		U	11
129-00-0	Pyrene		U · ·	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U	11
117-81-7	bis(2-Ethylhexyl)phthalate	4	J	11
117-84-0	Di-n-octylphthalate		U	11
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	11
50-32-8	Benzo(a)pyrene		Ű.	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
62-75-9	n-Nitrosodimethylamine		U	11
53-70-3	Dibenz(a,h)anthracene		U	11
191-24-2	Benzo(g,h,i)perylene		U	11

3/90 M-NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
M/M/-2N	

Lab Name:	STL Ne	wburgh		Co	ntract:	
Lab Code:	10142	Ca	ase No.:	(	SAS No.:	SDG No.: 237960
Matrix: (soil/	water)	WATER			Lab Sample ID	237960-017
Sample wt/v		950.0	- (g/ml) ML		Lab File ID:	S30391.D
Level: (low/r		LOW	_		Date Received:	7/2/2004
% Moisture:	,		- canted: (Y/N)	N	Date Extracted	7/8/2004
Concentrate	d Extract	<del></del>	1000 (uL)		Date Analyzed:	7/12/2004
Injection Vol			<del></del>		Dilution Factor:	1.0
GPC Cleanu	p: (Y/N)	N	pH:			

#### CONCENTRATION UNITS:

UG/L

(ug/L or ug/Kg)

	I			1
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000095-36-3	1,2,4-Trimethylbenzene	7.69	9	JN
2. 000098-54-4	Phenol, p-tert-butyl-	11.21	5	JN
2. 000096-04-4	ethy-dimethyl Benzene isomer	12.98	9	J
3.	Unknown	13.50	3	J
<del>4</del> .	ULINIOTHI			INI

2. 000098-54-4	FileHol, D-telt-botyl-			
3.	ethy-dimethyl Benzene isomer	12.98	9	J
	Unknown	13.50	3	J
5. 000134-62-3	Diethyltoluamide	14.30	4	JN
	Phosphoric acid tributyl ester	14.89	12	JN
<u>6. 000126-73-8</u>	Unknown	15.17	9	J
<i>1.</i>	2(3H)-Benzothiazolone	15.52	22	JN
8. 000934-34-9	Benzenesulfonamide, N-ethyl-4-	15.77	6	JN
9. 000080-39-7	Phosphine oxide, tributyl-	15.99	8	JN
10. 000814-29-9		17.68	3	JN
11. 000544-63-8	Tetradecanoic acid	19.13	3	J
12.	Unknown	19.41	2	J
13.	Unknown	10.71	44	

14.

-Unknown

Number TICs found:

EPA SAMPLE NO.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name:	STL Ne	wburah	Cor	ntract:			
Lab Code:	10142	Case No.:	s	SAS No.:	SI	DG No.: 237960	_
Matrix: (soil/v	vater)	WATER _		Lab Sample	e ID:	237960-018	_
Sample wt/vo	•	950.0 (g/ml) ML		Lab File ID:		S30392.D	
Level: (low/n		LOW		Date Receiv	ved:	7/2/2004	
% Moisture:	·	decanted:(Y/N)	N	Date Extrac	ted:	7/8/2004	
Concentrated	Extract	Volume: 1000 (úL)	<del></del>	Date Analyz	zed:	7/12/2004	

Injection Volume: 2.0 (uL) Units: (ug/L or ug/Kg) UG/L GPC Cleanup: (Y/N) N pH:

Dilution Factor: 1.0

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	11
541-73-1	1,3-Dichlorobenzene		Ų	11
106-46-7	1,4-Dichlorobenzene		U	11
95-50-1	1,2-Dichlorobenzene		U	11
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	11
95-48-7	2-Methylphenol		U	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-di-n-propylamine	<u> </u>	U	11
106-44-5	4-Methylphenol		U	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U	11
88-75-5	2-Nitrophenol		U	11
105-67-9	2,4-Dimethylphenol	`	U	11
111-91-1	bis(2-Chioroethoxy)methane		U	11
120-83-2	2,4-Dichlorophenol		U	11
120-82-1	1,2,4-Trichlorobenzene		UJ	11
91-20-3	Naphthalene		U	11
106-47-8	4-Chloroaniline		U	11
87-68-3	Hexachlorobutadiene		U	11
59-50-7	4-Chloro-3-methylphenol		U	11
91-57-6	2-Methylnaphthalene		U	11
77-47-4	Hexachlorocyclopentadiene		U	11
88-06-2	2,4,6-Trichlorophenol		U	11
95-95-4	2,4,5-Trichlorophenol		U	53
91-58-7	2-Chloronaphthalene		U	11
88-74-4	2-Nitroaniline		U	26
208-96-8	Acenaphthylene		U	11
131-11-3	Dimethylphthalate		U	11
606-20-2	2,6-Dinitrotoluene		U	11
83-32-9	Acenaphthene		U	11
99-09-2	3-Nitroaniline		U	26
51-28-5	2,4-Dinitrophenol		U	26
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene		U	11

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3/90 MH1Y049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE	. NO
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Lab Name:	STL Ne	wburgh	(	Contract:	FB
Lab Code:	10142	Case No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/	water)	WATER		Lab Sample ID	: 237960-018
Sample wt/vo	ol:	950.0 (g/ml) ML	<u> </u>	Lab File ID:	S30392.D
Level: (low/n	ned)	LOW		Date Received	: 7/2/2004
% Moisture:		decanted:(Y/N)	N	Date Extracted	: 7/8/2004
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed:	7/12/2004
Injection Volu	ıme: 2	.0 (uL)	•	Dilution Factor:	1.0
GPC Cleanu	_ p: (Y/N)	N pH:		Units: (ug/L or	ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		U J	26
86 <b>-</b> 73-7	Fluorene		U	11
7005-72-3	4-Chlorophenyl-phenylether		U	11
84-66-2	Diethylphthalate		U	11
100-01-6	4-Nitroaniline	-	U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	11
101-55-3	4-Bromophenyl-phenylether		U	11
118-74-1	Hexachlorobenzene		U	11
87-86-5	Pentachlorophenol		U	26
85-01 <b>-</b> 8	Phenanthrene		U	11
120-12-7	Anthracene		U	11
84-74-2	Di-n-butylphthalate		U	11
206-44-0	Fluoranthene		<u> </u>	11_
129-00-0	Pyrene		_ · U	11
85-68-7	Butylbenzylphthalate		U	11
91-94-1	3,3'-Dichlorobenzidine		U	11
56-55-3	Benzo(a)anthracene		U	11
218-01-9	Chrysene		U _	11
117-81-7	bis(2-Ethylhexyl)phthalate		U	11
117-84-0	Di-n-octylphthalate		U	11
205-99-2	Benzo(b)fluoranthene		U	11
207-08-9	Benzo(k)fluoranthene		U	11
50-32-8	Benzo(a)pyrene		U	11
193-39-5	Indeno(1,2,3-cd)pyrene		U	11
62-75-9	n-Nitrosodimethylamine		U	11
53-70-3	Dibenz(a,h)anthracene		<u> </u>	11
191-24-2	Benzo(g,h,i)perylene		U	11

3/90 M-NY049

### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

-[			
	FB		
ı	ני		

EPA SAMPLE NO.

					I-D	
Lab Name:	STL Ne	wburgh	Contra	act:		<del></del>
Lab Code:	10142	Case No.:	SAS	8 No.:	_ SDG No.: <u>237</u>	<u> 1960 </u>
Matrix: (soil/v	vater)	WATER		Lab Sample	ID: <u>237960-018</u>	
Sample wt/vo	ol:	950.0 (g/ml) ML		Lab File ID:	S30392.D	
Level: (low/n		LOW		Date Receive	ed: 7/2/2004	
% Moisture:	·	decanted: (Y/N)	N	Date Extract	ed: 7/8/2004	
Concentrated	Extract	 Volume: 1000 (uL)		Date Analyze	ed: 7/12/2004	
Injection Volu				Dilution Fact	or: <u>1.0</u>	
GPC Cleanu	p: (Y/N)	N pH:				
			CONC	ENTRATION	UNITS:	
Number TICs	s found:	1	(ug/L o	r ug/Kg)	UG/L	<del>,</del>
CAS NUMB	BER	COMPOUND NAME	<del></del> <del></del> ·	RT	EST. CONC.	Q
1		C18H36 isomer		17.07	2	L J

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EPA SAMPLE NO.

		SE	MIVOLATILE ORGANICS	ANALYSIS DA	TA SHEET	100/444	
	Lab Name:	STL Ne	wburgh	Contract:	<u>·                                      </u>	MW-11A	
	! ab Code:	10142	Case No.:	SAS No	.: s	DG No.: 2379	960
	Matrix: (soil/v					237960-019	
			980.0 (g/ml) ML	Lat	File ID:	S30393.D	
	-		•	<del></del>	te Received:		
	Level: (low/m						<del></del>
	% Moisture:		decanted:(Y/N)	N Dat	te Extracted:	7/8/2004	<del></del>
	Concentrated	Extract	Volume: 1000 (uL)	Dai	te Analyzed:	7/12/2004	·
			.0 (uL)	Dilı	ution Factor:	1.0	<del></del>
	•	-	NpH:	Uni	ts: (ug/L or ug	g/Kg) UG/L	
	GPC Cleanut	J. (1714)		-		·	<del></del>
	CAS NO.		COMPOUND		RESUL	_T Q	RL
	111-44-4		bis(2-Chloroethyl)ether			U	10
	108-95-2		Phenol			U	10
	95-57 <b>-</b> 8		2-Chlorophenol		-	U	10
	541-73-1		1,3-Dichlorobenzene			U	10
	106-46-7		1,4-Dichlorobenzene			U	10
	95-50-1		1,2-Dichlorobenzene		ļ	U	10
	100-51-6		Benzyl alcohol		ļ	U	10
	108-60-1		2,2'-oxybis(1-Chioropropa	ine)		U	10
	95-48-7		2-Methylphenol			U	10
	67-72-1		Hexachloroethane		ļ	U	10
	621-64-7		N-Nitroso-di-n-propylamir	1e		U	10
	106-44-5		4-Methylphenol			U	10
	98-95-3		Nitrobenzene			U	10
	78-59-1		Isophorone			U	10
	88-75-5		2-Nitrophenol		·	U	10
į	105-67-9		2.4-Dimethylphenol			U	10

88-75-5	2-Mid Opi le il Oi			
105-67-9	2.4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		U	10
120-82-1	1,2,4-Trichiorobenzene		U 3	10
91-20-3	Naphthalene	1	J	10
106-47-8	4-Chloroaniline		U	· 10
87-68-3	Hexachlorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene	1	J	10
77-47-4	Hexachiorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	51
91-58-7	2-Chloronaphthalene		U	10
00 74-4	2-Nitroaniline		U	26

2,4-Dinitrotoluene STL Newburgh is a part of Severn Trent Laboratories, Inc.



88-74-4

208-96-8

131-11-3

606-20-2

83-32-9

99-09-2

51-28-5

132-64-9

121-14-2

10

10

10

10

26

26

10

10

3/90<sub>1Y049</sub>

2-Nitroaniline

Acenaphthylene

Dimethylphthalate

2,6-Dinitrotoluene

2,4-Dinitrophenoi

Acenaphthene

3-Nitroaniline

Dibenzofuran

U

U

U

U

U

U

U

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	E NO.
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				0		MW-11A
Lab Name:	STL Ne	wburgn		Con	tract:	_
Lab Code:	10142	Ca	se No.:	S	AS No.: S	DG No.: 237960
Matrix: (soil/v	vater)	WATER	·····		Lab Sample ID:	237960-019
Sample wt/vo	ol:	980.0	(g/ml) ML		Lab File ID:	S30393.D
Level: (low/n	ned)	LOW	_		Date Received:	7/2/2004
% Moisture:		de	canted:(Y/N)	N	Date Extracted:	7/8/2004
Concentrated	l Extract	Volume:	1000 (uL)		Date Analyzed:	7/12/2004
Injection Volu	ıme: <u>2</u>	.0 (uL)			Dilution Factor:	1.0
GPC Cleanup	o: (Y/N)	<u> </u>	pH:	_	Units: (ug/L or u	g/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		02	26
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachiorophenol		U	26
85-01-8	Phenanthrene	1	J	10
120-12-7	Anthracene		U	10
84-74-2	Di-n-butylphthalate		U	10
206-44-0	Fluoranthene		Ų	10
129-00-0	Pyrene		U	10
85-68-7	Butylbenzylphthalate		U	10
91-94-1	3,3'-Dichlorobenzidine		U	10
56-55-3	Benizo(a)anthracene		U	10
218-01-9	Chrysene		U	10
117-81-7	bis(2-Ethylhexyl)phthalate		U	10
117-84-0	Di-n-octylphthalate		U	10
205-99-2	Benzo(b)fluoranthene		U	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine		U	10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		U	10



EPA NY049

3/90 N-NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

<b>EPA</b>	SAMPL	.E NO.
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		IENIAI	IAFTA INCIALILI		AN CONDO	MW-11A
Lab Name:	STL Ne	wburgh		_ Contr	act:	
Lab Code:	10142		se No.:	SA	S No.:	SDG No.: 237960
Matrix: (soll/	water)	WATER	<del></del>		Lab Sample II	D: 237960-019
Sample wt/v		980.0	g/ml) ML		Lab File ID:	S30393.D
Level: (low/r		LOW			Date Received	i: 7/2/2004
% Moisture:	•	dec	_ anted: (Y/N)	N_	Date Extracted	d: <u>7/8/2004</u>
Concentrate	d Extract	Volume:	1000 (uL)		Date Analyzed	1: 7/12/2004
Injection Vol			<del></del> ·		Dilution Factor	r: <u>1.0</u>
GPC Cleanu	p: (Y/N)	N	рН:			

#### **CONCENTRATION UNITS:**

N - 2 TIO- founds	40	(ug/L or ug/Kg)	UG/L
Number TICs found:	12	(ug/L or ug/r/g)	00,2

	1 :		
COMPOUND NAME	RT	EST. CONC.	Q
Ethyl pyrophosphate	9.06	5	JN
		7	J_
Disvoloi3 1 11heptan-2-one 6 6-di		2	JN
Biovoloi2 2 11heptan-2-ol 2.3.3-tri		8	JN
<del></del>		4	J
		11	J
		. 8	J
		7	J
		2	JN
Naphinalene, i-metriyi-		14	JZ
			J
	15.25	9	JN
	COMPOUND NAME  Ethyl pyrophosphate Unknown Bicyclo[3.1.1]heptan-2-one, 6,6-di Bicyclo[2.2.1]heptan-2-ol, 2,3,3-tri Unknown dimethyl Benzenamine isomer Unknown Unknown Naphthalene, 1-methyl- Benzoic acid, p-tert-butyl- Unknown Benzeneacetic acid, .alpha.,.alph	Ethyl pyrophosphate       9.06         Unknown       9.13         Bicyclo[3.1.1]heptan-2-one, 6,6-di       9.35         Bicyclo[2.2.1]heptan-2-ol, 2,3,3-tri       9.56         Unknown       9.76         dimethyl Benzenamine isomer       10.04         Unknown       10.29         Unknown       10.39         Naphthalene, 1-methyl-       11.54         Benzoic acid, p-tert-butyl-       13.92         Unknown       14.96	Ethyl pyrophosphate 9.06 5  Unknown 9.13 7  Bicyclo[3.1.1]heptan-2-one, 6,6-di 9.35 2  Bicyclo[2.2.1]heptan-2-ol, 2,3,3-tri 9.56 8  Unknown 9.76 4  dimethyl Benzenamine isomer 10.04 11  Unknown 10.29 8  Unknown 10.39 7  Naphthalene, 1-methyl- 11.54 2  Benzoic acid, p-tert-butyl- 13.92 14  Unknown 14.96 8

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA	SAMPI	LE NO
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Lab Name:	STL Ne	wburgh		_ c	ontract:		MVV-11B
Lab Code:	10142	C	ase No.:		SAS No.:	_ sı	DG No.: 237960
Matrix: (soll/v	vater)	WATER			Lab Sample	ID:	237960-020
Sample wt/vo		980.0	(g/mi) ML		Lab File ID:		S30394.D
Level: (low/n		LOW	<del> </del>		Date Receive	ed:	7/2/2004
% Moisture:	•	de	canted:(Y/N)	N	Date Extract	ed:	7/8/2004
Concentrated	Extract	Volume:	1000 (uL)		_ Date Analyze	∍d:	7/13/2004
Injection Volu		.0 (uL)	<del></del>		Dilution Fact	or:	1.0
GPC Cleanup	_	N	рН:		Units: (ug/L o	or ug	g/Kg) UG/L

CAS NO.	COMPOUND	RESULT	Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol		U	10
95-57-8	2-Chlorophenol		U	10
541-73-1	1,3-Dichlorobenzene		. U	10
106-46-7	1.4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
100-51-6	Benzyl alcohol		U	10
108-60-1	2,2'-oxybis(1-Chloropropane)		U	10
95-48-7	2-Methylphenol		U	10
67-72-1	Hexachloroethane		U	10
621-64-7	N-Nitroso-di-n-propylamine		U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		U	10
78-59-1	Isophorone		U	10
88-75-5	2-Nitrophenol		U··	. 10
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chloroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		U	· 10
120-82-1	1,2,4-Trichlorobenzene		U I	10
91-20-3	Naphthalene		U	10
106-47-8	4-Chloroaniline		U ·	10
87-68-3	Hexachiorobutadiene		U	10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		U	10
95-95-4	2,4,5-Trichlorophenol		U	51
91-58-7	2-Chioronaphthalene		U	10
88-74-4	2-Nitroaniline		U	26
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene		U	10
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroaniline		U	26
51-28-5	2,4-Dinitrophenol		U	26
132-64-9	Dibenzofuran		U	10
121-14-2	2,4-Dinitrotoluene		U	10

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3/90<sub>YY049</sub>

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO
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	S⊨	MIVOLATIL	E ORGANICS	M) VAL	TISIS DYÍVOLIEEL	MW-11B
Lab Name:	STL Ne	wburgh		C	Contract:	
Lab Code:	10142		se No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/v		WATER			Lab Sample ID:	237960-020
Sample wt/vo		980.0	(g/ml) ML		Lab File ID:	S30394.D
Level: (low/n		LOW			Date Received:	7/2/2004
% Moisture:	,	de	_ canted:(Y/N) _	N	Date Extracted:	7/8/2004
Concentrated	Extract	Volume:	1000 (uL)		Date Analyzed:	7/13/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanu		N	рН:		Units: (ug/L or u	ug/Kg) <u>UG/L</u>

CAS NO.	COMPOUND	RESULT	Q	RL
100-02-7	4-Nitrophenol		UI	26
86-73-7	Fluorene		U	10
7005-72-3	4-Chlorophenyl-phenylether		U	10
84-66-2	Diethylphthalate		U	10
100-01-6	4-Nitroaniline		U	26
534-52-1	4,6-Dinitro-2-methylphenol		U	26
86-30-6	n-Nitrosodiphenylamine (1)		U	10
101-55-3	4-Bromophenyl-phenylether		U	10
118-74-1	Hexachlorobenzene		U	10
87-86-5	Pentachlorophenol		U	26
85-01-8	Phenanthrene		U	10
	Anthracene		U	10
120-12-7	Di-n-butyiphthalate		U	10
84-74-2	Fluoranthene		U	10
206-44-0	Pyrene		U	10
129-00-0	Butylbenzylphthalate		U	10
85-68-7	3,3'-Dichlorobenzidine		U	10
91-94-1			U	10
56-55-3	Benzo(a)anthracene		Ū	10
218-01-9	Chrysene Chrysene		U	10
117-81-7	bis(2-Ethylhexyi)phthalate		Ü	10
117-84-0	Di-n-octylphthalate		Ü	10
205-99-2	Benzo(b)fluoranthene		Ü	10
207-08-9	Benzo(k)fluoranthene		U	10
50-32-8	Benzo(a)pyrene		U	10
193-39-5	Indeno(1,2,3-cd)pyrene		U	10
62-75-9	n-Nitrosodimethylamine			10
53-70-3	Dibenz(a,h)anthracene		U	10
191-24-2	Benzo(g,h,i)perylene		<u> </u>	ĮŪ

STL Newburgh is a part of Severn Trent Laboratories, Inc.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMP	LE NO.
MW-11B	_

Lab Name:	STL Ne	wburgh	Contrac	:t:	WW	
Lab Code:	10142	Case No.:	SAS	No.:	SDG No.: 237	960
Matrix: (soll/v	vater)	WATER	]	Lab Sample II	D: <u>237960-020</u>	····
Sample wt/vo		980.0 (g/ml) ML		Lab File ID:	S30394.D	<del>_</del>
Level: (low/n		LOW	1	Date Receive	d: 7/2/2004	
% Moisture:	•	decanted: (Y/N)	N I	Date Extracte	d: 7/8/2004	<del>.</del>
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed	d: <u>7/13/2004</u>	
Injection Volu	ıme: <u>2.</u>	0 (uL)	. 1	Dilution Facto	r: <u>1.0</u>	
GPC Cleanup	p: (Y/N)	N pH:				
			CONCE	NTRATION U	NITS:	
Number TICs	s found:	1	(ug/L or	ug/Kg) <u>U</u>	G/L	
CAS NUMB	SFR	COMPOUND NAME	•	RT	EST. CONC.	Q
		Unknown CaH2a		17.07	2	J.

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

<b>EPA</b>	SAMPL	Ε	NO.
	<b>₩</b> 11411 F	_	

Lab Name:	STL Ne	wourgh	Contra	act:	VV-35
Lab Code:	10142	Case No.:	SAS	8 No.:	SDG No.: 237960
Matrix: (soil/v		WATER	<del></del>	Lab Sample ID	: 237960-021
Sample wt/vo		960.0 (g/ml) ML	_	Lab File ID:	S30395.D
Level: (low/n		LOW	<del></del>	Date Received	: 7/2/2004
% Moisture:	,	decanted:(Y/N)	N	Date Extracted	: 7/8/2004
Concentrated	Extract	Volume: 1000 (uL)		Date Analyzed	7/13/2004
Injection Volu		.0 (uL)		Dilution Factor	: 1.0
GPC Cleanu		N pH:		Units: (ug/L or	ug/Kg) <u>UG/L</u>

CAS NO.	AS NO. COMPOUND		Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	10
108-95-2	Phenol	•	J	10
95-57-8	2-Chlorophenol		J	10
541-73-1	1.3-Dichlorobenzene		U	10
106-46-7	1,4-Dichlorobenzene		U	10
95-50-1	1,2-Dichlorobenzene		U	10
	Benzyl alcohol		U	10
100-51-6	2,2'-oxybis(1-Chloropropane)		Ü	10
108-60-1	2-Methylphenol	·	U	10
95-48-7	Hexachloroethane		U	10
67-72-1	N-Nitroso-di-n-propylamine		U ·	10
621-64-7			U	10
106-44-5	4-Methylphenol		U	10
98-95-3	Nitrobenzene		Ü	10
78-59-1	Isophorone		Ü	10
88-75-5	2-Nitrophenol	_	Ü	10
105-67-9	2,4-Dimethylphenol		U	10
111-91-1	bis(2-Chioroethoxy)methane		U	10
120-83-2	2,4-Dichlorophenol		03	10
120-82-1	1,2,4-Trichlorobenzene		U	10
91-20-3	Naphthalene			10
106-47-8	4-Chloroaniline		U	10
87-68-3	Hexachlorobutadiene			10
59-50-7	4-Chloro-3-methylphenol		U	10
91-57-6	2-Methylnaphthalene		U	10
77-47-4	Hexachlorocyclopentadiene		U	10
88-06-2	2,4,6-Trichlorophenol		<u>U</u>	52
95-95-4	2,4,5-Trichlorophenol		U	10
91-58-7	2-Chloronaphthalene		U	
88-74-4	2-Nitroaniline		U	26
208-96-8	Acenaphthylene		U	10
131-11-3	Dimethylphthalate		U	10
606-20-2	2,6-Dinitrotoluene		U	10
83-32-9	Acenaphthene		U	10
99-09-2	3-Nitroanlline		U	26
51-28-5	2,4-Dinitrophenol		<u> </u>	26
132-64-9	Dibenzofuran		U	10
132-64-9	2.4-Dinitrotoluene		U	10

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#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

1		 	
i			
	W-3S		
	44-00		
- 3			

EPA SAMPLE NO.

Lab Name:	STL Nev	wburgh		c	Contract:	
	10142		ise No.:		SAS No.:	SDG No.: 237960
Matrix: (soil/v	vater)	WATER			Lab Sample ID	: 237960-021
Sample wt/vo		960.0	(g/ml) ML		Lab File ID:	S30395.D
Level: (low/n		LOW	- · <del></del>	<u>-</u>	Date Received	: 7/2/2004
% Moisture:	,		 canted:(Y/N)	N	Date Extracted	: 7/8/2004
Concentrated	Extract	 Volume:	1000 (uL)		 Date Analyzed	7/13/2004
injection Volu			<u> </u>		Dilution Factor	1.0
GPC Cleanup	_	N	pH:	_	Units: (ug/L or	ug/Kg) <u>UG/L</u>

CAS NO. COMPOUND		RESULT	Q	RL	
100-02-7	4-Nitrophenol		0.2	26	
86-73-7	Fluorene		U	10	
7005-72-3	4-Chlorophenyl-phenylether		U	10	
84-66-2	Diethylphthalate	3	J	10	
100-01-6	4-Nitroaniline		U	26	
	4,6-Dinitro-2-methylphenol		U	26	
534-52-1	n-Nitrosodiphenylamine (1)		U	10	
86-30-6	4-Bromophenyl-phenylether		U	10	
101-55-3	Hexachlorobenzene			10	
118-74-1	Pentachlorophenol		U	. 26	
87-86-5	Phenanthrene		U	10	
85-01-8		· ·	U	10	
120-12-7	Anthracene Distribution of the Anthracene		U	10	
84-74-2	Di-n-butylphthalate		U	10	
206-44-0	Fluoranthene		U	· 10·	
129-00-0	Pyrene		U	10	
85-68-7	Butylbenzylphthalate		Ü	10	
91-94-1	3,3'-Dichlorobenzidine		Ŭ	10	
56-55-3	Benzo(a)anthracene		Ŭ	10	
218-01-9	Chrysene	3	J	10	
117-81-7	bis(2-Ethylhexyl)phthalate		U	10	
117-84-0	Di-n-octylphthalate		U	10	
205-99-2	Benzo(b)fluoranthene		U —	10	
207-08-9	Benzo(k)fluoranthene			10	
50-32-8	Benzo(a)pyrene		<u> </u>	10	
193-39-5	Indeno(1,2,3-cd)pyrene		<u>U</u>		
62-75-9	n-Nitrosodimethylamine		<u> </u>	10	
53-70-3	Dibenz(a,h)anthracene		U	10	
191-24-2	Benzo(g,h,i)perylene		U	10	

3/90 M-NY049

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE	NO.
W-3S	

Lab Name:	STL Nev	wburgh		Contra	act:	_
Lab Code:	10142	Ca	se No.:	SAS	8 No.: S	DG No.: 237960
Matrix: (soil/v	vater)	WATER	_		Lab Sample ID:	237960-021
Sample wt/vo	•	960.0	(g/ml) ML	_	Lab File ID:	S30395.D
Level: (low/n		LOW			Date Received:	7/2/2004
% Moisture:	,		- anted: (Y/N)	1	Date Extracted:	7/8/2004
Concentrated	Extract	 Volume: 1	1000 (uL)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Date Analyzed:	7/13/2004
Injection Volu					Dilution Factor:	1.0
GPC Cleanup			pH:		•	
				CONC	ENTRATION UNI	TS:

UG/L

(ug/L or ug/Kg)

Number TICs found:	NUMBER COMPOUND NAME  Unknown  000134-62-3 Diethyltoluamide  000088-19-7 Benzenesulfonamide, 2-methyl-	· ug/Kg) 	UG/L	<del></del>
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
4	Unknown	13.52	2	J
2 000134-62-3		14.28	. 4	JN
		14.93	8	JN
4. 000070-55-3	Benzenesulfonamide, 4-methyl-	15.35	12	JN
5 000295-17-0	Cyclotetradecane	17.08	9	JN

Cyclotetradecane

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

MW-12	
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Lab Name:	STL Nev	vburgh		<u> </u>		
Lab Code:	10142	C	ase No.:		SAS No.:	_ SDG No.: <u>237960</u>
Matrix: (soil/v	vater)	WATER	_		Lab Sample	e ID: 237960-023
Sample wt/vo	ol:	920.0	(g/ml) ML	<u> </u>	Lab File ID:	S30396.D
Level: (low/n		LOW	_		Date Receiv	ved: 7/2/2004
% Moisture:	·	de	_ canted:(Y/N)	N	Date Extrac	eted: 7/8/2004
Concentrated	Extract \	√olume:	1000 (uL)	)	Date Analyz	zed: 7/13/2004
Injection Volu			<del></del>		Dilution Fac	etor: 1.0
GPC Cleanur		N	pH:		Units: (ug/L	or ug/Kg) UG/L

CAS NO.	COMPOUND	RESULT	<sup>°</sup> Q	RL
111-44-4	bis(2-Chloroethyl)ether		U	11
108-95-2	Phenol		U	11
95-57-8	2-Chlorophenol		U	11
541-73-1	1.3-Dichlorobenzene		U	11
106-46-7	1,4-Dichlorobenzene	3	77	11
95-50-1	1,2-Dichlorobenzene		U	11
100-51-6	Benzyl alcohol		U	11
108-60-1	2,2'-oxybis(1-Chloropropane)		U	. 11
95-48-7	2-Methylphenol		Ü	11
67-72-1	Hexachloroethane		U	11
621-64-7	N-Nitroso-di-n-propylamine		U	11
106-44-5	4-Methylphenol		U	11
98-95-3	Nitrobenzene		U	11
78-59-1	Isophorone		U	11
88-75-5	2-Nitrophenol		U	11
105-67-9	2,4-Dimethylphenol		U	11
111-91-1	bis(2-Chloroethoxy)methane		U ·	11
	2,4-Dichlorophenol		U	11
120-83-2	1,2,4-Trichlorobenzene		0.2	11
120-82-1	Naphthalene	4	12	11
91-20-3	4-Chloroaniline		U	11
106-47-8	Hexachlorobutadiene		U	11
87-68-3	4-Chloro-3-methylphenol		· U	11
59-50-7	2-Methylnaphthalene		Ū	11
91-57-6	Hexachlorocyclopentadiene		U	11
77-47-4	2,4,6-Trichlorophenol		U	11
88-06-2	2,4,6-11chlorophenol		$-\bar{\overline{U}}$	54
95-95-4	2-Chloronaphthalene		Ū	11
91-58-7	2-Chloronaphthalene 2-Nitroaniline		U	27
88-74-4			Ü	11
208-96-8	Acenaphthylene	<del></del>	Ü	11
131-11-3	Dimethylphthalate		U I	11
606-20-2	2,6-Dinitrotoluene		U	11
83-32-9	Acenaphthene		U	27
99-09-2	3-Nitroaniline		$-\ddot{\upsilon}$	27
51-28-5	2,4-Dinitrophenol		Ü	. 11
132-64-9	Dibenzofuran		U	11
121-14-2	2,4-Dinitrotoluene STL Newburgh is a part of Sev	T		

VERN STL NYSDOH 10142

STL Newburgh 315 Fullerion Avenue Newburgh, NY 12550 Tel (845) 562-0890 Fax (845) 562-0841

EPA	SAMPL	E NO
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S	EMIVOLATILE ORGANICS AN	ALTOIS DATA SHEET	I M	V-12		
Lab Name: STL N	lewburgh	Contract:	_			
Lab Code: 10142	Case No.:	SAS No.: S	SDG N	o.: <u>2379</u>	60	
Matrix: (soil/water)		Lab Sample ID:	2379	60-023		
	920.0 (g/ml) ML	Lab File ID:	S303	396 <u>.</u> D	_	
Level: (low/med)		Date Received:	7/2/2	004		
	decanted:(Y/N)	N Date Extracted:	7/8/2	004		
					_	
Concentrated Extra	ot Volume: 1000 (uL)					
injection Volume:	2.0 (uL)	Dilution Factor:	1.0			
GPC Cleanup: (Y/N)	N pH:	Units: (ug/L or u	g/Kg)	UG/L		
CAS NO.	COMPOUND	RESU	LT	Q		RL
100-02-7	4-Nitrophenol			U Z		27
86-73-7	Fluorene			U	· 	11
7005-72-3	4-Chlorophenyl-phenylether			U		11
84-66-2	Diethylphthalate			U		<u>11</u>
100-01-6	Diethylphthalate 4-Nitroaniline			U		27
534-52-1	4,6-Dinitro-2-methylphenol			U		27
86-30-6	n-Nitrosodiphenylamine (1)			<u>U</u>		11
101-55-3	4-Bromophenyl-phenylether			U		11
118-74-1	Hexachlorobenzene	l l		<u> </u>		11
87-86-5	Pentachlorophenol	· ·		U		27
85-01-8	Phenanthrene			U		11
120-12-7	Anthracene .			<u>U</u>		11
84-74-2	Di-n-butylphthalate			U		11
206-44-0	Fluoranthene			U	·	11
129-00-0	Fluoranthene Pyrene			<u>U</u>		11
85-68-7	Butylbenzylphthalate			U		11
91-94-1	3,3'-Dichlorobenzidine	<u> </u>		U		11
56-55-3	Benzo(a)anthracene			<u>U</u>		11
218-01-9	Chrysene			U		11
117-81-7	bis(2-Ethylhexyl)phthalate		4	17		11
117-84-0	Di-n-octylphthalate			<u>U</u>		<u>11</u> 11
205-99-2	Benzo(b)fluoranthene			U		11
207-08-9	Benzo(k)fluoranthene			U		11
50-32-8	Benzo(a)pyrene					11
193-39-5	Indeno(1,2,3-cd)pyrene			U		11
62-75-9	n-Nitrosodimethylamine			U		11
53-70-3	Dibenz(a,h)anthracene			<u> </u>		11



53-70-3 191-24-2

11

3/90 M-11/049

Benzo(g,h,i)perylene

#### SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

<b>EPA</b>	SAN	<b>IPL</b>	ΞN	Ю
				-
			_	_

		TENTAT	MW-12						
Lab Name:	STL Ne	wburgh		Contract: _		10100-12			
Lab Code:	10142	Са	se No.:	SAS No.:	SI	SDG No.: 237960			
Matrix: (soil/	water)	WATER	,	. Lab	Sample ID:	237960-023			
Sample wt/v	,	920.0	(g/ml) <u>ML</u>	Lab l	File ID:	S30396.D			
Level: (low/r		LOW	-	Date	Received:	7/2/2004			
% Moisture:		dec	- anted: (Y/N) .	N Date	Extracted:	7/8/2004			
Concentrate	d Extract	Volume:	 1000 (uL)	 Date	Analyzed:	7/13/2004			
Injection Vol		_	<del></del> _	Diluti	on Factor:	1.0			
GPC Cleanu	 p: (Y/N)	N	pH:						

#### CONCENTRATION UNITS:

Number TICs found:	16	 (ug/L or ug/Kg)	UG/L

		1		
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Ø
1. 000611-14-3	Benzene, 1-ethyl-2-methyl-	7.68	9	JN
2.	Unknown	8.77	4	J
3. 000098-54-4	Phenol, p-tert-butyl-	11.21	. 5	JN
4.	Unknown	11.91	2	J
5.	ethyl-dimethyl Benzene isomer	12.99	10	J
6.	Benzene isomer	13.19	2	J
7. 000098-73-7	Benzoic acid, p-tert-butyl-	13.53	6	JN
8. 000134-62-3	Diethyltoluamide	14.31	<u> </u>	JN
9. 000126-73-8	Phosphoric acid tributyl ester	14.89	13	JN
10.	Unknown	15.18	10	J
11. 000934-34-9	2(3H)-Benzothiazolone	15.53	23	JN
12. 000080-39-7	Benzenesulfonamide, N-ethyl-4-	15.77	6	JN
13. 000057-10-3	Hexadecanoic acid	17.68	4	JN
14.	Unknown	19.13	6	J
15	Unknown	20.96	13	J
16.	Unknown CnH2n+2	23.41	2	J



# ATTACHMENT 3 TEST PIT LOGS, SOIL BORING LOGS AND GROUNDWATER SAMPLING LOGS

# INTEGREYTED INTERNATIONAL, LLC FIELD OBSERVATION LOG GROUNDWATER SAMPLING RECORD

Site: Cod	oper Crouse-Hi	er Crouse-Hinds											Date:		6/30-7/1/04					
Project No: 031	10025P		<del></del>											Weather/1	Гетр:	Sunny an	d clear, 80	) degrees		
	ott Bryant irk J Schumach	er		Signature Signature										Time of A	mival: Ti	ime of Dep	oarture:			
Well No:	1	W-1	W-2	W-3	MW-1	MW-2	MW-3	MW-4A	MW-4B	MW-5	MW-6A	MW-6B	MW-7	MW-8A	MW-8B	MW-9A	104/00			101111
Depth of Well (T	OC):	26.06	25,17	25.21	22.60	21,60	15.00	15.45	39.70	53.35	12.31	59.40	53.70	14.35	41.90	16.22	MW-9B 66.28	16.00	MW-11A 16.45	····
Depth to Ground	water (TOC):	6.95	10.15	7.56	10.55	7.70	4.42	4.42	3.38	3.17	5.51	0.25	0.00	2.40	0.00	5.99	0.00	5.20		34.46
Elevation at Top	of PVC;	375.38	376.88	373.95	379.38	380.70	372,23	373.77	373.83	375.71	372.12	372.92	371.98	371,70	371.35	372.08	371.87	370.43	5.05	4,18
Water Level Ele	vation:	368.43	366,73	366.39	368.83	373.00	367.81	369.35	370.45	372.54	366.61	372.67	371.98	369.30	371.35	366.09			375.08	374.94
Well Volume:		3.06	2.40	2.82	1.93	2.22	1.69	1.76	5.81	8.03	1.09	9.46	8.59	1,91	************		371.87	365.23	370.03	370.76
Volume Purged	(gallons):	10.00	10.00	10.00	6.00	6.70	5.00	10.00	25.00	27.00	4.00	30.00	28.00	5.70	6.70 22.00	1.64 10.00	10.60 55.00	1.73 8.00	1.82 10.00	4.84 20.00
Purging Method Observations:		Peristaltic	pump an	d low flow	technique	es														
col		Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Cloudy	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	SI. Cldy
	een	None	None	None	None	None	None	None	None	None	Yes	None	None	None	None	None	None	None	None	None
od		None	None	None	None	None	None	None	None	None	Oily	None	None	None	None	None	None	None	None	None
pH		7.39	7.17	7.02	4.61	5.94	6.50	7.18	6.90	6.18	NA	6.67	6.39	5.98	6.45	6.83	6.80	6.70	6.98	6.96
	nperature	12.36	13.72	16.80	11.20	11.50	13.10	12.69	10.51	12.10	NA	11.90	12.30	12.10	12.00	11.57	11.05	12.20	12.24	10.43
	nductivity	2.72	14.70	83.70	1.80	1.70	2.70	1.57	20.50	1.26	NA	6.49	14.90	1.53	23.00	11.00	31,90	0.81	2.14	15.60
	ssolved O2	3.33	3.13	4.38	0.00	1.30	7.01	0.74	0.27	0.00	NA.	0.00	0.00	0.66	0.00	5.61	0.34	0.00	1.08	0.37
	rbidity	56.40	35.60	42.80	30.00	25.00	50.00	48.30	46.30	5.00	NA	7.00	29.00	12.00	17.00	35.70	37.90	50.00	31.00	79.80
O <sub>F</sub>	RP	-144.00	-157.00	-134.00	-127.00	-111.00	-119.00	-199.00	-83.00	-82.00	NA	-98.00	-68.00	-176.00	-83.00	-69.00	-76.00	-127.00	-138.00	-100.00
Comments:									·······	······································							,.			

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-4B

					BURING NO.: MW-4D	
PROJ	ECT:	Prelim	inary S	ite Assess	ment	Sheet 1 of 3
CLIENT: Cooper Industries						
INTE	GREY'	TED PF	ROJEC	T NO: 03	10025P	
		ETHOD	) <u>:</u>	H.S.A	SAMPLER BIT SIZE CORE CASING	In temp closes
DRILLING RIG: CME 45B					2' SS 4 1/4" ID NA NA	DATE: 6/9/04
DRILL	ER:		Jeff G	rant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(ppm)	COH DESCRIPTION	REMARKS
					SOIL DESCRIPTION	Fill
		1			Sand (f-m) little silt, black foundry sand and slag, organics, wet	
1.0	1	2	0.6	2.0		Obvious peat
		1				odor
2.0		2	i		·	
		1				WT @ 3'
3.0	2	12	0.4	3.0	Same as above, saturated	Fill
		6				peat odor
4.0		2				
		9			5.0	1
5.0	3	6	0.5	4.0	Peat and sand (f-m) little silt, saturated, black	peat odor
"		11				
6.0		6				:
0.0		4				
7.0	4	2	0.8	4.0	Sand (f-cs) trace gravel (f), organics, black, saturated	peat odor
l′. <u>°</u>		3	0.0		( ) ( )	
8.0		3				
10.0		0				
9.0	5	0	0.9	2.0	Same as above to 9.0'	peat odor
9.0	ر	0	0.9	2.0	9.0-10.0' Sand (f-cs) little silt, light gray-brown, saturated	Ť
1,00		l			7.0-10.0 Baila (1 65) Itale bin, nga Braj 57-175, 58-18-18-1	
10.0		0				
ļ., ,	_	0	ا م	1.0	Same as above - alternating silty sand and peat lenses, wet	weak peat odor
11.0	6	0	0.8	1.0	Same as above - alternating sitty said and pear folious, wer	Would pour oue.
		2				
12.0		2			13.0	,
		1				No odors or
13.0	7	3	1.4	0.0	Silt some clay little sand (f), gray-brown, fining down, wet	staining
		2				staning
14.0		1				
		1				
15.0	8	0	0.9	0.0	Clay little silt, light gray, saturated	
		0				
16.0		0				
		1			•	<u> </u>
17.0	9	1	0.9	0.0	Same as above	
		1				
18.0		1	1			

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

<b>BORING NO.:</b>	MW-4B
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PROJ.				ite Assessi	ment	Sheet 2 of 3		
CLIE		Cooper			10005			
	INTEGREYTED PROJECT NO: 0310025P  DRILLING METHOD: H.S.A SAMPLER BIT SIZE CORE CASING							
1				H.S.A		DATE: 6/9/04		
DRILLING RIG: CME 45B DRILLER: Jeff Grant					2' SS 4 1/4" ID NA NA INSPECTOR: Scott Bryant	DATE: 0/9/04		
DRILL			f		INSPECTOR. Scott Blyan			
DEPTH	SAMPLE	l	REC.	PID				
IN FT.	NO.	PER		READING				
		6"		(ppm)	SOIL DESCRIPTION	REMARKS		
<b>—</b>		1			SOIL DESCRIPTION	ALDIAN KAR		
l		1			1 14	No odor or		
19.0	10	3	1.6	0.0	Same as above with some minor lenses of silty sand			
1		5				staining		
20.0		3						
		3						
21.0	11	2	1.4	0.0	Silt little clay trace sand (f), gray, saturated			
		2						
22.0		1						
122.0		3						
23.0	12	2	1.7	0.0	Same as above, slightly coarser			
23.0	12		1.7	0.0	Same as above, signify coarson			
		2						
24.0		2			05.01			
	.	1			25.0'			
25.0	13	1	0.8	0.0	Sand (f-m) some silt little clay, trace gravel (f), gray, saturated			
		4			,			
26.0		7						
		3						
27.0	14	5	0.4	0.0	Same as above			
[	·	5	*,					
28.0		4						
20.0		7						
	1.5		10	0.0	Como ao ahaya			
29.0	15	9	1.2	0.0	Same as above			
		9	1					
30.0		10		.				
		4						
31.0	16	3	1.1	0.0	Same as above			
		3	ĺ	İ				
32.0	l	5						
		0		1	Same as above to 33'			
33.0	17	0	1.4	0.0	33-34' Sand (f-m) little silt trace gravel (f), gray, saturated			
		0	-	-				
34.0		0						
J4.0		i	1		- Parties			
ا <sub>م</sub> م ا	10	4	, ,		Cand (f as) little silt trace grave) (f), grav, gatamated	į		
35.0	18	8	1.2	0.0	Sand (f-cs) little silt trace gravel (f), gray, saturated			
		8		l				
36.0		10						

### INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-4B

CLIENT:   Cooper Industries	PRO.	ECT:	Prelimi	nary S	ite Assess	nent	Sheet 3 of 3
INTEGREYTED PROJECT NO: 0310025P   DRILLING METHOD: H.S.A   SAMPLER   BIT SIZE   CORE   CASING							
DRILLING METHOD:   H.S.A   SAMPLER   BIT SIZE   CORE   CASING						0025P	
DRILLER:					THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RE		
DEFTH   SAMPLE   BLOWS   FER   PEADING   FOR   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING   PEADING	DRIL	LING R	IG:	CME	45B	2' SS 4 1/4" ID NA NA	DATE: 6/9/04
No.   PER	DRIL	LER:		Jeff G	rant	INSPECTOR: Scott Bryant	
SOIL DESCRIPTION   REMARKS	DEPTH	SAMPLE	BLOWS	REC.	PID		
SOIL DESCRIPTION   REMARKS   37.0   19   6   6   9   10   50/0.2   20   0.1   0.0   Same as above to 37.5', more gravel   37.5-38' Sand (f-m) some silt little gravel (f-m), hard, damp   staining	IN FT.	NO.	PER		READING		
37.0 19 6 1.3 0.0 Same as above to 37.5', more gravel 38.0 10 50/0.2 0.1 0.0 Samd (f-m) some silt little gravel (f-m), hard, damp  38.0 20 0.1 0.0 Sand (f-m) little silt, little gravel (f-m), brown, damp, hard  40.0 EOB @ 40'  Monitoring well set at 38 ' 10 ft of 0.01" screen, 28"-38' Sand pack 26"-38' Bentonite seal 24"-26' Concrete 0-24'  Monitoring Well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4"-14' Sand pack 3"-14' Bentonite seal 1"-3' Concrete 0-1'  48.0  49.0  50.0  51.0			6°		(ppm)		
37.0 19 6 9 1.3 0.0 Same as above to 37.5', more gravel 37.5-38' Sand (f-m) some silt little gravel (f-m), hard, damp  38.0 20 0.1 0.0 Sand (f-m) little silt, little gravel (f-m), brown, damp, hard  40.0 EOB @ 40'  Monitoring well set at 38 ' 10 ft of 0.01" screen, 28'-38' Sand pack 26'-38' Bentonite seal 24'-26' Concrete 0-24'  Monitoring Well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  70.0 Sand (f-m) some silt little gravel (f-m), hard, damp  40.0'  EOB @ 40'  Monitoring well set at 38 ' 10 ft of 0.01" screen, 28'-38' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'						SOIL DESCRIPTION	REMARKS
38.0   9   10   50/0.2   0.1   0.0   Sand (f-m) some silt little gravel (f-m), hard, damp   staining    40.0   EOB @ 40'    41.0   42.0   Monitoring well set at 38 '   10 ft of 0.01" screen, 28'-38'   Bentonite seal 24'-26'   Concrete 0-24'    44.0   Monitoring well MW-4A   Monitoring well set at 14 '   10 ft of 0.01" screen, 4'-14'   Bentonite seal 1'-3'   Concrete 0-1'    48.0   49.0   50.0   51.0			4				
38.0   39.0   20   50/0.2   0.1   0.0   Sand (f-m) little silt, little gravel (f-m), brown, damp, hard   40.0'   EOB @ 40'   41.0   Monitoring well set at 38 ' 10 ft of 0.01" screen, 28'-38' Sand pack 26'-38' Bentonite seal 24'-26' Concrete 0-24'   Monitoring well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'   Concrete 0-1'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-14'   Sand pack 3'-	37.0	19	6	1.3	0.0	Same as above to 37.5', more gravel	No odor or
39.0 20 50/0.2 0.1 0.0 Sand (f-m) little silt, little gravel (f-m), brown, damp, hard 40.0'  ### EOB @ 40'    Monitoring well set at 38 ' 10 ft of 0.01" screen, 28"-38' Sand pack 26"-38' Bentonite seal 24"-26' Concrete 0"> Concrete 0"> Concrete 0"> Concrete 0"> Concrete 0"> Adv. other and the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the			9			37.5-38' Sand (f-m) some silt little gravel (f-m), hard, damp	staining
39.0 20 50/0.2 0.1 0.0 Sand (f-m) little silt, little gravel (f-m), brown, damp, hard 40.0'  ### EOB @ 40'    Monitoring well set at 38 ' 10 ft of 0.01" screen, 28"-38' Sand pack 26"-38' Bentonite seal 24"-26' Concrete 0"> Concrete 0"> Concrete 0"> Concrete 0"> Concrete 0"> Adv. other and the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the seal of the	38.0		10				
39.0   20   0.1   0.0   Sand (f-m) little silt, little gravel (f-m), brown, damp, hard   40.0     41.0			: 1				,
40.0  41.0  41.0  Monitoring well set at 38 ' 10 ft of 0.01" screen, 28"-38' Sand pack 26'-38' Bentonite seal 24'-26' Concrete 0-24'  Monitoring Well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  48.0  49.0  50.0  51.0	30 0		00,012		0.0	Sand (f-m) little silt little gravel (f-m) brown damn hard	
40.0 41.0  Monitoring well set at 38 ' 10 ft of 0.01" screen, 28'-38' Sand pack 26'-38' Bentonite seal 24'-26' Concrete 0-24'  Monitoring Well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  47.0  48.0  49.0  50.0  51.0	39.0	20		0.1	0.0		,t
Monitoring well set at 38 ' 10 ft of 0.01" screen, 28'-38' Sand pack 26'-38' Bentonite seal 24'-26' Concrete 0-24'  Monitoring Well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  48.0 49.0 50.0 51.0	1,00						
10 ft of 0.01" screen, 28'-38'   Sand pack 26'-38'   Bentonite seal 24'-26'   Concrete 0-24'	40.0					EOB (#) 40	
10 ft of 0.01" screen, 28'-38'   Sand pack 26'-38'   Bentonite seal 24'-26'   Concrete 0-24'	1				:		
Sand pack 26'-38'   Bentonite seal 24'-26'   Concrete 0-24'	41.0			j			:
Bentonite seal 24'-26' Concrete 0-24'  Monitoring Well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  48.0  49.0  51.0							
Concrete 0-24'     Monitoring Well MW-4A   Monitoring well set at 14'   10 ft of 0.01" screen, 4'-14'   Sand pack 3'-14'   Bentonite seal 1'-3'   Concrete 0-1'	42.0					Sand pack 26'-38'	
Monitoring Well MW-4A Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  48.0 49.0 50.0 51.0			l			Bentonite seal 24'-26'	
Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  48.0  49.0  51.0	43.0		,			Concrete 0-24'	
Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  48.0  49.0  51.0							
Monitoring well set at 14 ' 10 ft of 0.01" screen, 4'-14' Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  48.0  49.0  51.0	44.0					Monitoring Well MW-4A	
45.0 46.0 47.0 48.0 49.0 51.0	1					<del>-</del>	
Sand pack 3'-14' Bentonite seal 1'-3' Concrete 0-1'  47.0  49.0  51.0	45.0		1		1		
46.0   Bentonite seal 1'-3'   Concrete 0-1'   47.0   48.0   49.0   50.0   51.0	73.0			1			
47.0 48.0 49.0 50.0 51.0	160				1	<del>-</del>	
47.0         48.0         49.0         50.0         51.0	40.0			l			]
48.0         49.0         50.0         51.0			f		İ	Concrete U-1	
49.0       50.0       51.0	47.0			l	]		]
49.0       50.0       51.0			·		ŀ		
50.0	48.0	1		İ	ļ		
50.0				ļ			
51.0	49.0	- 1	- [	Ì			
51.0			- 1	-			
51.0	50.0	Ī			1		
			İ				,
	51.0		-				
52.0	01.0	- 1	- 1				
[52.0] [ [ ] [	50.0				ŀ		
	32.0			1			
53.0	53.0	İ					
			1				
54.0	54.0						

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG

BORING NO.: MW-9B

PROJ	ECT:	Prelimi	nary S	ite Assess	ment	Sheet 1 of 4	
CLIENT: Cooper Industries							
INTEGREYTED PROJECT NO: 0310025P							
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	DATE: 6/7/04	
	ING RI	G:	CME		2' SS 4 1/4" ID NA NA	DATE: 6/7/04	
DRILL	ER:		Jeff G	rant	INSPECTOR: Scott Bryant		
DEPTH	SAMPLE	BLOWS	REC.	PID			
IN FT.	NO.	PER		READING			
		6"		(ppm)	OCIA MEGGRIPZION	REMARKS	
					SOIL DESCRIPTION		
		2			Sand (f-m) trace silt trace gravel (f), black foundry sand and slag,	Fill	
1.0	1	6	1.3	0.0	minor organics, damp	Weak peat odor	
I		8					
2.0		14					
12.0		7					
ا م	2	9	1.2	0.0	Same as above	Fill	
3.0	^		1.2	0.0	Same as above		
l		7					
4.0		6					
		2					
5.0	3	2	1.1	0.0	Same as above, wet	Fill	
		2					
6.0		2					
		2			7.0	WT @ 6'	
7.0	4	1	1.0	0.0		1 - 1	
7.0	7	2	1.0	0.0	7-8' Peat and sand (f-m) some silt, organic rich, brown, saturated	No odor or	
					7-6 1 tat and said (1-iii) some sit, organie from ore my caracter	staining	
8.0		1				omming.	
		1					
9.0	5	1	1.3	0.0	Peat as above to 9.7', saturated		
		1	•		9.7-10' Clay and silt trace sand (f), gray, wet, minor organics		
10.0		1					
		1					
11.0	6	1	1.1	0.0	Same as above - alternating silty clay and peat lenses, wet		
1		1					
12.0		2					
12,0	1	0	į				
1, ,	_	1	ا ۽ ،	0.0	13.5'		
13.0	7	0	1.5	ບ.ບ			
		5	1		13.5-14' Sand (f-m) and silt, gray-brown, wet		
14.0	l	7			•		
		7					
15.0	8	7	1.3	0.0	Silt and sand (f) little clay, gray-brown, wet		
	1	7	İ				
16.0	1	4					
1,2,7	1	2					
170	9	3	1.4	0.0	Same as above, slightly coarser and saturated		
17.0	א		1.4	0.0	Danie as access, sugnery coalses and salurated	•	
100		5	l				
18.0		6					

BORING NO.: MW-9B

)					BURING NO.: MW-9D	
PROJ	ECT:	Prelimi	inary S	ite Assessi	ment	Sheet 2 of 4
CLIEN		Cooper				
INTE	GREY'			T NO: 03	10025P	
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
DRILLING RIG: CME 45B					2' SS 4 1/4" ID NA NA	DATE: 6/7/04
DRILL			Jeff G	rant	INSPECTOR: Scott Bryant	
_	SAMPLE	BLOWS	REC.	PID		
	NO.	PER		READING		
		6"		(ppm)		
					SOIL DESCRIPTION	REMARKS
		2				
19.0	10	3	1.4	0.0	Sand (f-m) some silt trace clay, gray-brown, fining downward,	No odor or
117.0	10	5	***	0.0	saturated	staining
20.0					Saturde	
20.0		3				
		3		2.0	1	
21.0	11	1	1.2	0.0	Same as above to 21'	j
		2			21-22' Silt some clay little sand (f), saturated, gray-brown	
22.0		3				
		2				
23.0	12	2	1.3	0.0	Silt and clay, gray-brown, soft, saturated	
		2				
24.0		3				
24.0		3				
ا م	10		0.0	0.0	Silt and clay little sand (f), gray-brown, wet to saturated	
25.0	13	4	0.8	0.0	She and clay fittle saild (1), gray-orown, wer to saturated	
		8				
26.0		7				
		5				
27.0	14	4	1.6	0.0	Silt and clay, gray-brown, soft, saturated	
		3				
28.0		3				
		1				
29.0	15	2	1.3	0.0	Same as above	
27.0	, , ,	1	```	0.0		
200						
30.0		2				
	_	0		0.0	Cl	
31.0	16	0	1.2	0.0	Clay some silt, gray-brown, wet, uniform	
		0		•		
32.0	l	0				
		1				
33.0	17	1	1.4	0.0	Clay little silt, gray-brown, wet, uniform	
	•	1			•	
34.0	l	1				
J-7.0		0				
اء ۾ ا	10		14	0.0	Same as above	
35.0	18	0	1.6	0.0	TORING AS ADDITION	
		0				
36.0		1				<u> </u>

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-9B

					BOK	ING NO.: MIW-	711		
PROJ	ECT:	Prelim	inary S	ite Assess	ment				Sheet 3 of 4
CLIE	NT:	Cooper	r Indus	tries		<u></u> .			· <u></u>
INTE	GREY"	TED PF	ROJEC	T NO: 03	10025P				
DRILI	JNG M	ETHOD	);	H.S.A	SAMPLER	BIT SIZE	CORE	CASING	
DRILI	ING R	IG:	CME	45B	2' SS	4 1/4" ID	NA	NA	DATE: 6/7/04
DRILI	ER:		Jeff C	rant	INSPECTOR: Scot	t Bryant			
DEPTH	SAMPLE	BLOWS	REC.	PID					
IN FT.	NO.	PER		READING					
		6"		(ppm)		COTT DESCE	TEXTON		REMARKS
<u></u>						SOIL DESCR	IPTION _		REMARKS
1		0							37 1
37.0	19	0	1.5	0.0	Same as above, dan	пр			No odor or
		0	ļ						staining
38.0		1							1
		0							
39.0	20	0	1.8	0.0	Clay trace silt, gray,	, damp, uniform			
		3							
40.0		2							
10.0		2							
41.0	21	2	1.7	0.0	Same as above				
41.0	21	3	1.7	0.0	Cumo us uso . •				
1,00									
42.0		3							
		3	1.0	0.0	Games as above mor	o ailt at hattam			
43.0	22	3	1.8	0.0	Same as above, mor	e shi ai oottom			
l		4							
44.0		4							
		2			<u> </u>				
45.0	23	3	1.7	0.0	Same as above				
		3							
46.0		4							
		4							**
47.0	24	7	1.4	0.0	Same to 47.5'				
		10			47.5-48' Slit little cl	ay, gray-brown, wet			
48.0		11							
		0							
49.0	25	0	1.0	0.0	Silt little clay, gray-l	brown, saturated, uni	form		
		0							
50.0		0							
		0							· [
51.0	26	ŏ	0.5	0.0	Same as above				[
J 1.0	~	0	`''	-,-					
52.0		0	1						
24.0								4	ļ
ا دی م	27	0	ا م ا	0.0	Same as above				
53.0	27	3	0.6	υ.υ	Danie as above				
		3							
54.0	1	3							<u> </u>

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-9B

					BORING NO.: MW-9B	
PROJ	ECT:	Prelim	inary S	ite Assess	ment	Sheet 4 of 4
CLIE		Cooper				NAME -
		TED PR	OJEC	T NO: 03	10025P	
DRILL	ING M	ETHOD	:	H.S.A	SAMPLER BIT SIZE CORE CASING	
DRILLING RIG: CME 45B				45B	2' SS 4 1/4" ID NA NA	DATE: 6/7/04
DRILL	ER:		Jeff G	rant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWŞ	REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(pp□)		DELLOTTO
					SOIL DESCRIPTION	REMARKS
		4				
55.0	28	3	0.7	0.0	Silt little sand (f) trace clay, gray-brown, saturated	No odor or
		4				staining
56.0		8				
		6			57	.0'
57.0	29	7	1.2	0.0	Sand (f-cs) trace silt trace gravel (f), gray-brown, saturated	
		10				
58.0		9				
0.0		6				
59.0	30	12	1.1	0.0	Same as above, slightly coarser (more gravel, less silt)	
37.0	50	13	1.1	0.0	ound to too 14, originally tools to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second or to be a second	
60.0		14				
00.0		18				
C1 0	21		0.4	0.0	  Sand (f-cs) trace gravel (f), gray-brown, wet	
61.0	31	14	0.4	0.0	Sand (1-cs) nace graver (1), gray-orown, wet	
co o		9				
62.0	ŀ	11			•	
^		18		0.0		
63.0	32	8	0.7	0.0	Same as above	
		8				
64.0		11				
		12	1			
65.0	33	9	1.0	0.0	Sand (f-cs) trace silt, gray-brown, wet	]
		11				
66.0		8	İ			
		9				
67.0	34	10	0.8	0.0	Same as above	
		12				
68.0		11			68.	0'
ĺ	İ		İ			
69.0	- [					
	1	İ	- 1		Monitoring well set at 68', 10 ft of 0.01" screen, 58'-68'	
70.0					Sand pack 56'-68', Bentonite seal 54'-56', Concrete 0-54'	
	}		1	T I	Monitoring Well MW-9A	· [
71.0	1				Monitoring well set at 14', 10 ft of 0.01" screen, 4'-14'	
	- [				Sand pack 3'-14', Bentonite seal 1'-3', Concrete 0-1'	]
72.0				ļ		7
						<del></del>

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-10

DD O	EOT.	Dualina	C	ito Aggong	mont	Sheet 1 of 1
PROJ CLIE		Coope		ite Assess	ment	Sheet I OL I
				T NO: 03	10025P	
		ETHOD	*****	H.S.A	SAMPLER BIT SIZE CORE CASING	
	ING R		CME		2' SS 4 1/4" ID NA NA	DATE: 6/9/04
DRIL		10.	Jeff C		INSPECTOR: Scott Bryant	B1112: 6:370 :
DEPTH	SAMPLE	BLOWS	REC.	PID	INCIDE TOTAL BOOK ESTATE	
IN FT.	NO.	PER	REC.	READING		
IN F1.	NO.	6°		(ppm)		
		ľ		Opiny	SOIL DESCRIPTION	REMARKS
	<del> </del>	5			Sand (f-m) some silt little clay, damp to moist, organics, dark brown	
1.0	1	11 50/0.3	0.9	0.0	oute (Th) both on the only, amp to more, organis, and orong	
2.0		-				
		10		2.0	C 1 (C 1) that with house to block model forming and	Fill
3.0	2	7	0.4	2.0	Sand (f-m) little silt, brown to black, moist, foundry sand	1
1		4				weak peat odor
4.0		3				WT @ 4'
		2			5.0'	4
5.0	3	2	0.1	5.0	Peat and sand (f-m) little silt, saturated, black	weak peat odor
1		1				
6.0		2				
		1				
7.0	4	2	0.4	5.0	Same as above	weak peat odor
		1				
8.0		1				
		2				
9.0	5	1	0.5	0.0	Peat some sand (f-m) little silt, saturated, brown	No odors or
		1				staining
10.0	İ	2				
10.0		1	ĺ		11.0'	
11.0	6	1	1.0	0.0		No odors or
11.0	١ ٠	1	1.0	0.0		staining
12.0	1	1		Ī		S. Maring
12.0		0		ļ		
120	7		1.7	0.0	Same as above, fining down	No odors or
13.0	_ /	1	1./	0.0	· · · · · · · · · · · · · · · · · · ·	staining
140	Î	1	1	ŀ	14.0	Staning
14.0		1				
15.0					EOB @ 14'	
16.0	1				Monitoring well set at 14 '	
		1	•		10 ft of 0.01" screen, 4'-14'	Ī
17.0				ļs	Sand pack 3'-14'	1
1				1	Bentonite seal 1'-3'	
18.0				(	Concrete 0-1'	

<b>BORING NO.: MV</b>	V-11B
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DROI	ECT:	Drolimi	noru S	ite Assess	ment	Sheet 1 of 2
CLIE		Cooper			illOit	
				T NO: 03	10025P	
		ETHOD		H.S.A	SAMPLER BIT SIZE CORE CASING	
DRILLING RIG: CME 45B					2' SS 4 1/4" ID NA NA	DATE: 6/10/04
DRILI			Jeff C	rant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWS	REC.	PID		
IN FT.	NO.	PER		READING		
		6"		(ppm)		DEMARKO
					SOIL DESCRIPTION	REMARKS
		4			Sand (f-m) little silt, black foundry sand and slag, organics, moist	Fill
1.0	1	6	1.0	1.0		Obvious peat
		6				odor
2.0		10	l			WT @ 3'
		10				Fill
3.0		50/0.2	0.2	5.0	Same as above, wet	peat odor
		_				
4.0		_				
' '		6				
5.0	3	7	0.4	80.0	Same as above	peat odor
3.0		4	,,,			
6.0		3				
0.0		3				
7.0	4	3	0.3	60.0	Same as above	peat odor
7.0	+		0.5	00.0	Daine as accept	
ο Λ		4				
8.0		2			,	
0.0	_	3	1 2	5.0	Sand (f-m and silt, black, wet, peat at bottom	peat odor
9.0	5	1	1.3	3.0	Sand (1-111 and sht, black, wel, pear at bottom	peut odor
100		1				
10.0		1			11.0	,
		1		2.0		weak peat odor
11.0	6	2	1.0	2.0	Peat, light to dark brown, wet	weak pear odor
		1				
12.0		2				
		2				No odors or
13.0	7	1	1.0	0.0	Same as above	
		1				staining
14.0		1				[
		2				] ]
15.0	8	1	0.0	0.0	No recovery - drove rock	
		2				]
16.0	İ	2	1	1		
İ		1	ĺ		17.0	l
17.0	9	2	1.2	0.0	17-18' Sand (f-m) some silt trace clay, gray, saturated	
		2				
18.0		2		Ì		

# INTEGREYTED INTERNATIONAL, LLC TEST BORING LOG BORING NO.: MW-11B

					BURING NU.: MIW-IID	
PROJ.	ECT:	Prelim	inary S	ite Assessi	ment	Sheet 2 of 2
CLIE	NT:	Coope	r Indus	tries		
INTE	GREY	TED PF	OJEC'	ΓNO: 03		
DRILL	ING M	ETHOD	):	H.S.A	SAMPLER BIT SIZE CORE CASING	
DRILL	DRILLING RIG: CME 45B				2' SS 4 1/4" ID NA NA	DATE: 6/10/04
DRILL		1	Jeff G	rant	INSPECTOR: Scott Bryant	
DEPTH	SAMPLE	BLOWS	REC.	PID		
1	NO.	PER		READING	•	
	l	6*		(ppm)		
				•••	SOIL DESCRIPTION	REMARKS
		0	1			
19.0	10	0	0.2	0.0	Silt and clay trace sand (f), gray, saturated	No odor or
119.0	10	0	0.2	0.0	bill till villy (1000 bills (2), gruy, burns and a	staining
		1	]			Juning
20.0		0			21	
		3	l l		21	.01
21.0	11	1	1.2	0.0	Sand (f-m) little silt, uniform, wet, gray-brown	
		3				
22.0		4				
		6				
23.0	12	6	1.8	0.0	Same as above, more silt at bottom, saturated	
23.0	12	7	1.0	0.0	Suite to too 10, more site to overeas, suite and the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the s	
	:	1				
24.0		6				
ļ		5				
25.0	13	6	1.6	0.0	Sand (f-m) little silt, uniform, gray-brown, saturated	
		7				
26.0		8				
		9				
27.0	14	7	1.7	0.0	Same as above	
27.0	17	9	1.7			
200						
28.0		10			0	
		13			Same as above to 29.5'	
29.0	15	5	1.1	0.0	29.5-30' Sand (f-m) some silt trace gravel (f-m), hard, gray-brown, wet	
		6	- 1			
30.0		10				
	ļ	50/0.1		İ		
31.0	16	20	0.9	0.0	Sand (f-m) little silt little gravel (f-cs), brown, wet, hard	
	-	22		ĺ		
32.0		27				
32.0			-	ł	33.	יי
		31	1	[		4 1
33.0	17				FOD 0 44	]
					EOB @ 33'	
34.0		J			Monitoring well set at 32', 10 ft of 0.01" screen, 22'-32'	
				;	Sand pack 20'-32', Bentonite seal 18'-20', Concrete 0-18'	1
35.0	18		- 1	]	Monitoring Well MW-11A	
	-				Monitoring well set at 14', 10 ft of 0.01" screen, 4'-14'	ļ <b>1</b>
36.0	- 1	1	ĺ		Sand pack 3'-14', Bentonite seal 1'-3', Concrete 0-1'	
20.0				<u></u> '		

nn or	DOT C	77'		BORING NO.: 11-1	Sheet 1 of 1
		rouse-Hir			Sheet I of I
DITTE	ODEVI	oper man	stries, Inc. JECT NO: 03	10025D	
				10023P	
EXCA	EXCAVATION METHOD: Backhoe				DATE: 6-7-04
CONT	RACTO	D. DEC		INSPECTOR: Mark J Schumacher	DATE. 0 7 01
_	KACIO.	K. FEC		INDI ECTOR. Mark 9 Schumacher	
DEPTH			PID		
IN FT.	l		(ppm)		
I				SOIL DESCRIPTION	REMARKS
	<u> </u>		2	Black, Fill (foundry sand, brick, tr. Wood, slag, metal debris), oily	REMARKS
	<del> </del>		<del></del>		
1.0		<del> </del>		odor	G L TD 1
				<u> </u>	Sample TP-1
2.0				_	1' - 11'
		<u> </u>			]
3.0					
				7	
4.0				7	
		. 1		†	
5.0		+		4	
3.0		+ +	2	_  wet	
<u> </u>		<del> </del>		Jwer	
6.0				4	
7.0					
8.0				The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
					-
9.0					
10.0					
10.0		<del>                                     </del>			
11.0		<del>  </del>			
11.0		<del>                                     </del>		-	
10.0		<b>  </b>		12.0'	
12.0		<b> </b>		the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
		<u> </u>	0	Peat	
13.0				End Excavation 12.5'	
14.0					·
15.0					
16.0					
10.0			<del>  </del>		
17.0	<del></del>				
17.0					
18.0					

					BORING NO.: TP-2	
PRO.	JECT: C	rouse-l	linds			Sheet 1 of 1
	NT: Co			, Inc.		
INTE	GREY	ED PR	OJECT	NO: 03	10025P	
	AVATIO					
LACI	11/1110	(	iob. bu	. Craio V		DATE: 6-7-04
CONTRACTOR: PEC					INSPECTOR: Mark J Schumacher	
	IRACIO	R. PEC			INSI BOTOR, Mark 5 Deliamacher	
DEPTH		1		PID		
IN FT.				(ppm)		
			İ		COLL DESCRIPTION	DEMADIZO
					SOIL DESCRIPTION	REMARKS
		1		5	Black, Fill (foundry sand, tr. wood, slag, metal debris), oily	
1.0					odor	
	1	<del>                                     </del>	<u> </u>			Sample TP-2
20		╂──	<del> </del>	<del> </del>	4	1' - 8'
2.0		+			_	•
			<u> </u>	<u> </u>		
3.0						
4.0	<del>                                     </del>					
	<del>                                     </del>	1				
	<del> </del>	<del> </del>		<del>                                     </del>	-	
5.0					_	
	L			5	wet	
6.0						
		*				
7.0	<del> </del>	<del> </del>	+			
<i>'</i> .º_	<del>                                     </del>	-	┧		-	
<u> </u>	<u> </u>	<del> </del>				
8.0	<u> </u>	ļ				
		l			8.5'	
9.0				0	Peat	
	-	1	1		End Excavation 9.0'	
100	+	+	+	l		
10.0	<b>├</b>	-				
		ļ			·	
11.0		İ				
12.0				····		
	<del>                                     </del>	1	<del>                                     </del>			
10.0	<del> </del>	<del> </del>	╂╌╌┦			
13.0	<u> </u>		<del>                                     </del>			
		ļ				
14.0		1				
	Γ	T				
15.0	<del> </del> -		<del>                                     </del>			
10.0	<del> </del>	<del> </del>	╁┈┤			
	ļ	<b></b>	1			
16.0						·
			1			
17.0						1
		<del></del>	<del>                                     </del>			j
10.0			<del></del>			
18.0						<u></u>

		<del></del>			DORING NO.: 11-3	
		rouse-H				Sheet 1 of 1
CLIE	NT: Co	oper Ind	ustries.	Inc.	1000 TD	
				NO: 03	10025P	
EXCA	VATIO	N METH	OD: Ba	ckhoe		DATE: 6.7.04
0021	TD 1 0750	n neo			DIODECTOD, Marie I Calamandar	DATE: 6-7-04
	TRACTO	R: PEC	T	1	INSPECTOR: Mark J Schumacher	
DEPTH		,		PID		
IN FT.	1			(ppm)		
					SOIL DESCRIPTION	DEMADES
	-		<del> </del>	-		REMARKS
	ļ			3	Black, Fill (foundry sand, tr. wood, tr. core butts, metal debris),	
1.0					oily odor	
						Sample TP-3
2.0						1' -9.5'
3.0					7	
	<u> </u>	1				
4.0		1	-		•	
H-		<del> </del>	ļ	-	<del>-</del>	
5.0	1					[
5.0		<del> </del>	<del> </del>		-	
60		<u> </u>				
6.0		<del> </del>			<b>↓</b> .	
		ļ		1	wet	
7.0	<u> </u>	<u> </u>			_	
8.0	l. <u>.</u> .					
9.0						
					9.5'	
10.0				0	Peat	
10,10					End Excavation 10.0'	
11.0						
11.0						
12.0						
12.0	<del></del>					
10.0						
13.0						
14.0						
15.0						
16.0						
-						
17.0		-	+			
- /	-	<del></del>				]
18.0	<del></del>	<del></del>				
10.0						

		>			DUKING NO.: 11-4	
	JECT: C				The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Sheet 1 of 1
CLIE	NT: Co	oper Inc	dustries	, Inc.		
INTE	GREYT	TED PR	OJECT	NO: 03	10025P	
EXC	VATIO	N METH	IOD: Ba	ckhoe		
						DATE: 6-8-04
CON	TRACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH				PID		
IN FT.				(ppm)		
			l			
					SOIL DESCRIPTION	REMARKS
		T.		23	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0					debris), oily odors, moist	
			1			Sample TP-4
2.0	+	1		237	petroleum odors	1' -8.0'
2.0	<b>-</b>	<del>                                     </del>		251	potrotoum odoto	""
20		<del> </del>				
3.0	<del> </del>	+		100	wet, sheen on water surface	
				123	, , , , , , , , , , , , , , , , , ,	
4.0					two 55-gallon drums, empty	
		<u> </u>				
5.0				98		<u> </u>
					]	
6.0	<del> </del>	<del>                                     </del>				
-	<del>                                     </del>	1	<del>                                     </del>	-	1	
7.0	<del> </del>	<del> </del>	-			
7.0	<del> </del>	1	-	15		
	<del>                                     </del>	<b>_</b>	-	13		
8.0		<u> </u>	<del> </del>			
	ļ	ļ	<u> </u>			
9.0					9.0'	
				0	Peat	
10.0		•				
					End Excavation 10.0'	
11.0						
		<u> </u>				
12.0		<del> </del>				
12.0		-	<del>                                     </del>			
13.0	<del> </del>	<u> </u>	-			
13.0	ļ	<b></b>			,	
4.4.0		ļ	-			
14.0						
15.0						
16.0						
17.0						
17.0						1
18.0			$\vdash$			İ
10.0						

					BURING NU.; 11-5	
		rouse-H				Sheet 1 of 1
CLIE	NT: Co	oper Ind	lustries,	Inc.		
INTE	GREY	ED PR	ОЈЕСТ	NO: 03	10025P	
		N METH				
				-		DATE: 6-8-04
CONT	RACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH				PHD		
IN FT.		'		(ppm)		
	1				SOIL DESCRIPTION	REMARKS
		<del></del>		4	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0	<del>                                     </del>	+		<u> </u>	debris), oily odors, moist	
1.0	<del> </del>	+			deoris), only edors, moist	Sample TP-5
		<del> </del>				
2.0						and TP-5-WC
		<u> </u>				1' -15.0'
3.0	ļ					
				10		
4.0	*****			_	<del>-</del>	
		<b>-</b>	1 1		1	
5.0	<del>                                     </del>	1	1			
3.0		<del> </del>	-		-	
10		<u> </u>		<del></del>		
6.0		<u> </u>				
				<del></del>		
7.0			1			
		T	1	15		
8.0	-			·-	·	
0.0		$\vdash$				
9.0			╂──┼			
9.0		-				
100					- 1	
10.0					wet, sheen on water surface	
11.0						
12.0	<u> </u>					
13.0			<del>                                     </del>			
10.0						
14.0			$\vdash$			
14.0						
			<u> </u>			
15.0				1		
			T		End Excavation 15.0'	
16.0	<del></del> *					<b> </b>
17.0						
17.0						
100			<del>- i</del>		•	
18.0				I		

# **BORING NO.: TP-6**

					DUNING NO.: 11-0	
PROJ	ECT: C	rouse-H	Iinds		<u> </u>	Sheet 1 of 1
CLIE	NT: Co	oper Inc	lustries,	Inc.		
				NO: 03	10025P	· · · · · · · · · · · · · · · · · · ·
EXCA	VATIO	N METH	IOD: Bac	ckhoe		
<u></u>						DATE: 6-7-04
CONT	RACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH				PID		
IN FT.		1		(ppm)		
			•			
<u></u>	<u> </u>				SOIL DESCRIPTION	REMARKS
		<u> </u>		5	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0					debris), oily odors, moist	
	1					Sample TP-6
2.0		1			<del>-</del>	and TP-6-WC
=	<del> </del> -	<del>                                     </del>	-	16		0' -11.5'
3.0		╁		10		1
3.0					-	
<u> </u>	<del> </del>	<del>  -</del>				
4.0						
<u> </u>						
5.0				15	·	
6.0		Ţ				
7.0		*	1 1		1	
1.0		<del>                                     </del>	+			
8.0		<del> </del>	1		1	
0.0		┼──	1	4	·	
		<del> </del>	<del>  </del>			
9.0		——	<del>   </del>			
		ļ	$\longrightarrow$			
10.0					wet, oil sheen on water surface	
					10.5	
11.0			l	. 0	Gray, Med. Sand and F Co. Gravel, some cobbles, wet	
					11.5	1
12.0					End Excavation 11.5'	]
			<b>†</b>			
13.0						
13.5			<del>                                     </del>			
14.0		<del> </del>	├			
14.0			-			
150			<del>                                     </del>			
15.0						
			<b> </b>			
16.0						
17.0						
18.0			<del>-</del>			
20.0				1		

# **BORING NO.: TP-7**

					DOMING NO.: 11-7	CI +1 C 1
	ECT: C			_	AND THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO THE RESERVE TO TH	Sheet 1 of 1
	NT: Coo					
				'NO: 03	10025P	· · · · · · · · · · · · · · · · · · ·
EXCA	VATIO	METH	OD: Ba	ickhoe	W	
						DATE: 6-7-04
CONT	RACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH		.		PID		
IN FT.				(ppm)		
					COM PROCEEDINGS	DESC. DV0
					SOIL DESCRIPTION	REMARKS
	<u> </u>			5	Black, Fill (foundry sand, tr. wood, , tr. core butts, tr. brick, metal	
1.0					debris), oily odors, moist	_
		ľ				Sample TP-7
2.0	<del> </del>				1	and TP-7-WC
		1		10	*	0' -13.0'
3.0		-	<del> </del>	<del>                                     </del>		
3.0	<u>-</u> .				4	
		<u> </u>	ļ		4	
4.0		<u> </u>				
			<u> </u>	ļ		
5.0			<u> </u>			
6.0						
7.0		<u> </u>		<del>                                     </del>	1	
7.0	79.	<del>                                     </del>	Ì			
8.0						
8.0		├		1	-	
0.0			ļ	4		
9.0						
10.0						
11.0						
						*
12.0		****				
13.0		<u></u> .			13.0'	
10.01				0	Gry, Med. Sand and F Co. Gravel, wet	
140				U	Cry, Pred, Sand and F Co. Graver, wet	
14.0					End Excavation 13.5'	
15.0						
16.0						
17.0						
17.0						
100						,
18.0						

PROJ	ECT: C	rouse-H	linds		DOMING NO., 11-6	Sheet 1 of 1
CLIE	NT; Co	oper Inc	lustries,	Inc.		
				'NO: 03	10025P	
EXCA	VATIO]	N METH	OD: Ba	ckhoe		
	<del></del> _				DISTRICTION AND ADDRESS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE	DATE: 6-7-04
_	RACTO	R: PEC		1	INSPECTOR: Mark J Schumacher	
DEPTH				PID		
IN FT.				(ppm)		
Ÿ					SOIL DESCRIPTION	REMARKS
				1	Black, Fill (foundry sand, tr. wood, metal debris),	REMARKS
1.0	-	╂	+		Bluck, I'm (loundry same, a. wood, moun doorso),	
1.0	<u>-</u> .	+				Sample TP-8
2.0		<u> </u>	<del> </del>	<b> -</b>	1	and TP-8-WC
2.0	_	-		-	<u>.</u>	0' -3.0'
3.0		1			3.0	1
3.0		<del> </del>	+	0	Red-Brown, Clay, hard, dry	
4.0		1		<u> </u>	TREG-DIOWII, Clay, Ilaid, diy	
4.0		<del> </del>			-	
5.0	_	1			-	
5.0		<del>  -</del>	<del> </del>	ļ	-	
		ļ				
6.0		<del>                                     </del>	ļ		6.0	
7.	**-	<u> </u>			End Excavation 6.0'	
7.0		<del> </del>	ļ			
	·					
8.0						
		<u> </u>				
9.0						
10.0						
1.0						
2.0						
3.0						
	_					
4.0						
5.0						
6.0						
7.0						
8.0						

CLIENT: Cooper Industries, Inc.   INTEGREYTED PROJECT NO: 0310025P				DORUNG NO.: 11-3	
NTEGREYTED PROJECT NO: 0310025P   EXCAVATION METHOD: Backhoe	PROJEC	CT: Crouse-Hind	is		Sheet 1 of 1
EXCAVATION METHOD: Backhoe	CLIENT	T: Cooper Indust	ries, Inc.		
DATE: 6-7-04				10025P	
INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher   INSPECTOR: Mark J Schumacher	EXCAV	ATION METHOD	); Backhoe		
SOIL DESCRIPTION   REMARKS					DATE: 6-7-04
SOIL DESCRIPTION   REMARKS	CONTRA	ACTOR: PEC		INSPECTOR: Mark J Schumacher	
SOIL DESCRIPTION   REMARKS   1.0	DEPTH	,	PID		
1.0	INFT.		(ppm)		
1.0			i i		
1.0				1	REMARKS
Sample TP-9 0'-15'  Sample TP-9 0'-15'  Sample TP-9 0'-15'  Sample TP-9 0'-15'  End Excavation 15.0'  End Excavation 15.0'			5		
2.0   0'-15'  3.0   4.0   6.0   6.0   7.0   8.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0   9.0	1.0			debris), oily odors, moist	
2.0   0'-15'     0'-15'       0'-15'					Sample TP-9
3.0 4.0 5.0 5.0 6.0 7.0 8.0 9.0 11.0 12.0 13.0 14.0 15.0 End Excavation 15.0'	2.0			1	
4.0 5.0 5.0 6.0 7.0 8.0 9.0 11.0 12.0 12.0 14.0 15.0 End Excavation 15.0' 16.0 17.0	2.0			†	
4.0 5.0 5.0 6.0 7.0 8.0 9.0 11.0 12.0 12.0 14.0 15.0 End Excavation 15.0' 16.0 17.0	2.0				
5.0  6.0  7.0  8.0  9.0  11.0  12.0  14.0  15.0  End Excavation 15.0'  End Excavation 15.0'	3.0			-	
5.0  6.0  7.0  8.0  9.0  11.0  12.0  14.0  15.0  End Excavation 15.0'  End Excavation 15.0'					
6.0  7.0  8.0  9.0  11.0  12.0  14.0  15.0  End Excavation 15.0  End Excavation 15.0	4.0			<u> </u>	
6.0  7.0  8.0  9.0  11.0  12.0  14.0  15.0  End Excavation 15.0  End Excavation 15.0					
7.0  8.0  9.0  10.0  11.0  12.0  14.0  15.0  End Excavation 15.0'	5.0				
7.0  8.0  9.0  10.0  11.0  12.0  14.0  15.0  End Excavation 15.0'					
7.0  8.0  9.0  10.0  11.0  12.0  14.0  15.0  End Excavation 15.0'	6.0				
8.0 9.0 10.0 11.0 12.0 14.0 15.0 End Excavation 15.0' 16.0 17.0				1	
8.0 9.0 10.0 11.0 12.0 14.0 15.0 End Excavation 15.0' 16.0 17.0	7.0				
9.0  10.0  11.0  12.0  13.0  14.0  15.0  End Excavation 15.0'	7.0				
9.0  10.0  11.0  12.0  13.0  14.0  15.0  End Excavation 15.0'  17.0				-	
11.0   wet, sheen on water surface  13.0   wet, sheen on water surface  13.0   wet, sheen on water surface  15.0   End Excavation 15.0'  17.0   wet, sheen on water surface	8.0			·	
11.0   wet, sheen on water surface  13.0   wet, sheen on water surface  13.0   wet, sheen on water surface  15.0   End Excavation 15.0'  17.0   wet, sheen on water surface					
11.0	9.0				
11.0		<u> </u>			
12.0	10.0				
12.0				,	
12.0	11.0				
Wet, sheen on water surface		<del>  -</del>			
Wet, sheen on water surface	12.0				
13.0	12.0			wat cheen on water surface	
14.0	12.0			wei, sheem ou water surface	
15.0 End Excavation 15.0'  16.0	13.0				
15.0 End Excavation 15.0'  16.0					
End Excavation 15.0'  17.0  End Excavation 15.0'	14.0				
End Excavation 15.0'  17.0  End Excavation 15.0'					
End Excavation 15.0'  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17.0  17	15.0				] [
16.0       17.0				End Excavation 15.0'	
17.0	6.0				
	-	<del></del>			
	17.0				
18.0	17.0				
10.0	8.0				

					BURING NU.: 1P-10	
PROJ	ECT: C	rouse-H	Iinds			Sheet 1 of 1
CLIE	NT: Co	oper Inc	lustries	s, Inc.		
INTE	GREYT	ED PR	OJEC:	T NO: 03	10025P	
		N METH				
						DATE: 6-7-04
CONT	RACTO	R: PEC	_		INSPECTOR: Mark J Schumacher	
DEPTH		1	T	PID		
INFT.	İ					
HALL.				(ppm)		
		1			SOIL DESCRIPTION	REMARKS
	-			-		REMARKS
		<b></b> _		4	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0					_debris), oily odors, moist	
1						Sample TP-10
2.0						and TP-10-WC
		1				0' -15.0'
3.0		+	<del> </del>		_	10.00
3.0		-		10	-	
	ļ			10	_	
4.0						
				l		
5.0		1				
	<b>i</b>	<del>                                     </del>				
6.0		╂		<del> </del>	-	
0.0		<del> </del>	╂		4	
		ļ		<u> </u>	4	
7.0		<u> </u>				
		]		15		
8.0				1		
		<del>                                     </del>	1			
9.0		<del>                                     </del>	<del>                                     </del>			
9.0		<del> </del>	╂	<u> </u>	-	
		<u> </u>		ļ		
10.0				<u> </u>	j	
11.0						
12.0	<del></del>		<del>                                     </del>	<b></b>		
12.0		<del></del>	<del> </del>	-	·	
12.2		ļ	ļ	<u> </u>		
13.0			<u> </u>			
14.0						
Ī				<u> </u>		
15.0	·····			1		
12.0			<b> </b>	- 1	End Everystian 15 0	
1.5		<u>.                                    </u>	<u> </u>		End Excavation 15.0'	
16.0						
17.0						] [
18.0			$\vdash \vdash \vdash$			]
10.0						

## **BORING NO.: TP-11**

				BORING NO.: TP-11	
<b>PROJ</b>	ECT: C	rouse-Hi	nds		Sheet 1 of 1
CLIE	NT: Co	oper Indu	istries, Inc.		
INTE	GREYT	ED PRO	JECT NO: 03	10025P	
			D: Backhoe		
	-				DATE: 6-7-04
CONT	RACTO	R: PEC		INSPECTOR: Mark J Schumacher	
DEPTH	1		PID		
IN FT.		*	(ppm)		
IN F1.	ļ		фи		
				SOIL DESCRIPTION	REMARKS
	<u> </u>		2	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	TENTING.
1.0				debris), oily odors, moist	
					Sample TP-11
2.0	ļ				0' -14.5'
3.0				7	
			7		
4.0				1	
4.0			·	4	
-					
5.0					
		<u> </u>			
6.0					
7.0					
/.0			5	⊣ ∣trace plastic wrap	
0.0	-	<del> </del>			
8.0				wet	
				_	
9.0					
10.0	•				
11.0				<del>-</del>	1
11.0					
12.0				1	
12.0		-		-	
				4	
13.0					
14.0_					
				14.5	
15.0			0	Peat, wet	1
			<del>                                     </del>	End Excavation 15.0'	<b>1</b>
160		-		Ind Industrion 1919	1
16.0				1	
17.0					
18.0					

	JECT: C				BOKING NO.: 11-12	Sheet 1 of 1
CLIE	ENT: Co	oper In	dustries	, Inc.		<u> </u>
				NO: 03	10025P	
EXC	AVATIO	N MET	HOD: B	ackhoe		DATE: 6-8-04
CON	TRACTO	DR · PEC			INSPECTOR: Mark J Schumacher	DATE: 0-8-04
DEPTH		I. I BC	<u> </u>	PID	THOSE DOTOR, Mark & Benamicones	
IN FT.	1			(ppm)		•
				41-7		
					SOIL DESCRIPTION	REMARKS
				10	Black, Fill (foundry sand, tr. wood, , tr. core butts, metal	
1.0	1				debris), oily odors, moist	
	1					Sample TP-12
2.0	1	1		17		1' -11.0'
3.0					1	
-	<del>                                     </del>	+	1			
4.0	1	+	<u> </u>		-	
7.0	<del>                                     </del>	+	+	17		
5.0			1	17		
5.0	<u> </u>		+	<del> </del>		
<u> </u>			-			
6.0	ļ	<del> </del>	-	<del> </del>		
<del>~</del> ^	ļ	<del> </del>	<del>                                     </del>	<u> </u>		
7.0	ļ	<b>_</b>	┇			
	ļ <u>.</u>					
8.0						
	ļ	<b>.</b>				
9.0						
		<u> </u>				
10.0		<u> </u>				
					10.5	7
11.0				0	Peat	
					End Excavation 11.5'	]
12.0		1				
	-					
13.0				· · · · · · · · · · · · · · · · · · ·		
		<u> </u>	<del>  </del>			
4.0						
			<del>                                     </del>			]
5.0		<del> </del>	╁╾╾┤			
3.0		<del> </del>	<del>                                     </del>			
6.0						<b>]</b>
0.0						]
<del>_</del>						
7.0						
			<u>                                     </u>			<b>[</b>
8.0			<u> </u>			

					DURING NU.; 11-13	
	ECT: C					Sheet 1 of 1
CLIE	NT: Co	oper Inc	dustries	s, Inc.		
INTE	GREYT	ED PR	OJECT	ΓNO: 03	10025P	
EXC/	VATIO	N METI	HOD: B	ackhoe		
						DATE: 6-8-04
CONT	RACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH	T			PID		
IN FT.		'	1	(ppm)		
			Ī		SOIL DESCRIPTION	REMARKS
		1		0	Tan, F. Sand and Fill (household refuse, glass, metal cans, paper	
1.0	1	-	<del>- </del>	1	,plastic), tr. Core butts, metal debris, dry	
1.0		<del>                                     </del>			, plustroj, tr. coro outio, motar acoris, ary	Sample TP-13
2.0	<del> </del>	╂	+		4	and TP-13-WC
2.0		_				F
				ļ	_	1' -12.0'
3.0	<u></u>			2	<u>.</u>	
4.0						
	1	1"				
5.0				0	-	
3.0	<del> </del>	<del> </del>	+	<del>                                     </del>	-	
		<del> </del>	_			
6.0	<u> </u>	<u> </u>			-	
	ļ	<u> </u>		ļ		
7.0	<b> </b>	<u> </u>				
8.0				0		
9.0		1			1	
_		<del>                                     </del>	<del> </del>	<del> </del>		
10.0		<del> </del>	+	<u> </u>	•	
10.0		<del> </del>	<del> </del>	<u> </u>	-	
		<del> </del>	+		•	
11.0			<b>_</b>			
12.0			1.	0	wet	
			<u> </u>			
13.0						
					End Excavation 13.0'	
14.0						
1110			<del> </del>			
15.0			-			
15.0			$\vdash$			
						l
16.0			$oxed{oxed}$			
						l
17.0						
18.0		<del></del>				
			<u> </u>			

DDOI	DOT C	· · ·	r' 1		DOMING NOW II 14	01 +1 01
PROJ	ECT: C	rouse-H	imas	T		Sheet 1 of 1
CLIE	NT: Co	oper Inc	iustries	, inc.	1000 57	
				ΓNO: 03	10025P	
EXCA	VATIO	N METH	IOD: B	ackhoe		
						DATE: 6-8-04
CONT	RACTO	R: PEC			INSPECTOR: Mark J Schumacher	
DEPTH		1 ,	İ	PID		
IN FT.				(ppm)		
					SOIL DESCRIPTION	REMARKS
				1	Fill (household refuse, glass, metal cans, paper, plastic), dry	
1.0						
			1			Sample TP-14
2.0		+	┪┈┈	<del>                                     </del>	<del>-</del>	and TP-14-WC
2.0	ļ		-		4	
		-	<u> </u>	ļ .	4	1' -7.0'
3.0	<u> </u>	<u> </u>		3		
4.0						
					1	
5.0				1		
3.0		<del> </del>	+	<del></del>	-	
60		-	<del> </del>		1	
6.0			ļ	ļ <u>.</u>	_	
7.0		İ				
			T			
8.0				0	8.0	
0.0		-	<del>                                     </del>	<u> </u>	Peat	
9.0			<b></b>		End Excavation 8.5'	1
9.0		<del> </del>	<del> </del>	-	Elia Excavation 6.5	
		ļ				
10.0			<u> </u>			
			<u> </u>	<u> </u>		
11.0						
		·		-		
12.0						
12.0	· · · · · · · · · · · · · · · · · · ·	<del></del>	<del> </del>			
120						
13.0						
14.0						
15.0						
- +						l
16.0						1
10.0						İ
						[
17.0			l			
18.0						
			<u>_</u>			

# **BORING NO.: TP-15**

					DOMING 110 11-13	
		Crouse-F				Sheet 1 of 1
CLIE	ENT: Co	oper Inc	lustries	, Inc.		
				`NO: 03	10025P	
EXC	AVATIO	N METH	IOD: Ba	ickhoe		
<u> </u>						DATE: 6-8-04
CON	TRACTO	R: PEC		_	INSPECTOR: Mark J Schumacher	
DEPTH				PID		
IN FT.	İ			(bbm)		
				]	CON DECORPTION	DELC I DICC
				<u> </u>	SOIL DESCRIPTION	REMARKS
<u> </u>	<u> </u>		_	1	Fill (household refuse, glass, metal cans, paper, plastic), dry	
1.0	ļ					
				<u> </u>		Sample TP-14
2.0						1' -9.0'
3.0		Ť.		2		
			1		]	
4.0						
	<del> </del>	1	1		1	
5.0		<del> </del>		3	•	
3.0	1	+	<del> </del>		-	,
6.0		<del> </del>	+			
0.0		+	-		-	
7.0			+		-	
7.0	<u> </u>		<b></b>		<u> </u>	
8.0				0		
	ļ. <u>.</u>					
9.0					9.0'	
				0	Peat	
10.0					End Excavation 9.5'	
11.0						
		1				
12.0				·		
			11	•		
13.0		<del> </del>				
14.0		-	╁┈┈┼			
17.0	<del>-</del>		1			
150		<u> </u>				
15.0			┡┈─┼			
1.6.0						
16.0	<u> </u>					
17.0						
18.0						1

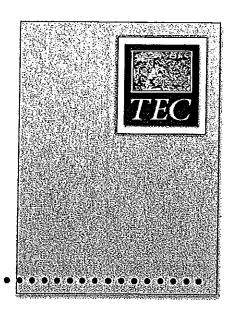
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# ATTACHMENT 4 FISH AND WILDLIFE IMPACT ASSESSMENT



# Cooper Crouse-Hinds Landfill

# Vegetation and Wildlife Study

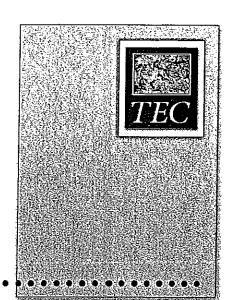
August 2004

#### Prepared For:

InteGreyted International, LLC Syracuse Operations 104 Jamesville Road Syracuse, New York 13214

#### Prepared By:

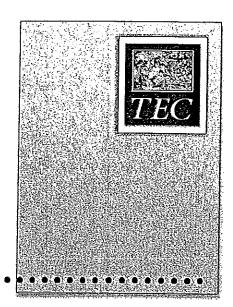
Barbara C. Reuter The Environmental Collaborative 309 Palmer Drive Fayetteville, NY 13066-1246 315-637-3701



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Section A - Site Maps	4
Section B - Fish and Wildlife Resources	10
Section C - Fish and Wildlife Resource Value	12
Section D - Fish and Wildlife Regulatory Criteria	. 14
References	. 15
Appendices	

Appendix A - Agency Information Appendix B - Natural Resources Maps Appendix C - Vegetation and Wildlife Species Lists



# Introduction

The Environmental Collaborative (TEC) was contracted by InteGreyted International, LLC, on behalf of Cooper Crouse-Hinds, to undertake a study to evaluate the existing ecological conditions of two inactive landfills owned by Cooper Crouse-Hinds. This study provides information specified in the following sections of Step 1 (Site Description) of the New York State Department of Environmental Conservation (NYS-DEC) Fish and Wildlife Impact Analy-

sis for Inactive Hazardous Waste Sites (FWIA).

The sections of Step 1 are as follows:

- Section A Site Maps
- Section B Description of Fish and Wildlife Resources
- Section C Description of Fish and Wildlife Resource Value

Section D - Identification of Applicable Fish and Wildlife Regulatory Criteria

Contamination can affect on-site and off-site resources. This happens mostly through surficial and groundwater flow. This study concentrates on surface impact due to potential leakage of contaminants from the source. This would be evidenced by stressed vegetation over and around the area of contamination, visual evidence of contaminants (i.e., discoloration of soil and water), disfigured wildlife species, and/or lack of certain species that should be present, particularly in water bodies.

#### Site Description

The subject site is located northwest of the operating Crouse-Hinds Company manufacturing facility, which is located at the intersection of Wolf and Seventh North Streets (Latitude 043°

W), in the Town of Salina and the City of Syracuse, Onorndaga County, New York (Figure 1). The subject site (hereinafter the "site") consists of two adjacent inactive landfills (referred to as the North Landfill and South Landfill - Figure 2). According to available information, the North Landfill is approximately 21 acres in area and the

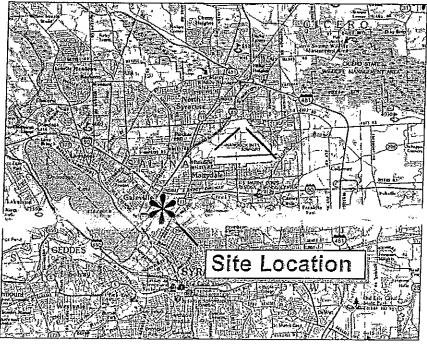


Figure 1. Location of the site in the Town of Salina and the City of Syracuse, Onondaga County, NY.

South Landfill is approximately 15 acres in area. Site and surrounding topography is generally flat to gently sloping. Figures 1 and 2 are site location maps and Figures 3 and 4 on page 3 show the site plans of the North Landfill and South Landfills, respectively.

The North Landfill is located in the Town of Salina and the South Landfill is located in the City of Syracuse. The site is located in an area of mixed usage including light industrial/manufacturing, commercial, and residential. Seventh North Street is oriented eastwest and separates the two landfills that comprise the site. Undeveloped woods and wetlands border the site to the north. Railroad tracks followed by the Crouse-Hinds facility, Wolf Street, and residential development border the site to the east. Undeveloped woods, wetlands, and mixed commercial development border the site to the south. Wetlands followed by Ley Creek, mixed commercial development, the Ley Creek waste transfer station, and I-81 are present to the west of the site. The northwest boundary of the North Landfill is separated from Ley Creek by property reportedly owned by Plaza East, LLC. The northwest boundary of the South Landfill is adjacent to Ley Creek.

#### Background

While in operation, the North Landfill facility reportedly accepted an unknown quantity of solid industrial waste (i.e., foundry sand) from the Crouse-Hinds facility from mid-1950 through 1972. From 1972 through the early 1980s, this landfill was used for disposing approximately 85 cubic vards per day of non-purrescible solid mastes including foundry sand, moor sweepings, metal buffing and polishing residue, scrap lumber, plastic wastes, and paint scrapings that were generated at the Crouse-Hinds facility. Zinc hydroxide sludge was also reportedly deposited in this landfill between 1972 and 1980. Between 1980 and 1983, approximately 40 cubic yards per day of industrial waste, including foundry sand and core butts were disposed of in the landfill from the Crouse-Hinds facility. In April of 1981, Crouse-Hinds applied for a Part 360 permit to operate a non-hazardous landfill. On 10 March 1982, Crouse-Hinds withdrew the application. The North Landfill has been inactive sine the mid-1980s.

The South Landfill reportedly accepted a combination of municipal solid waste from the City of Syracuse and industrial waste from the Crouse-Hinds facility consisting of foundry mold and core sand, scrap steel drums and shot, fly ash, paint scrapings, garbage, and construction/demolition debirs. Mate-

rial placement in this landfill reportedly occurred between 1960 and 1969. Approximately 2,000 cubic yards per week of municipal solid waste from the City of Syracuse was reportedly accepted at the landfill between 1961 and 1964. The landfill has been inactive since 1969.

As part of the PSA, a number of studies were conducted, one of which was to evaluate the existing ecological conditions of the site. As put forth in the FWIA, this particular investigation was intended to: (1) identify the fish and wildlife resources that presently exist and that existed before contaminant introduction, and (2) provide information necessary for the design of a remedial investigation. As part of the above effort, vegetation cover types and plant species were also identified.

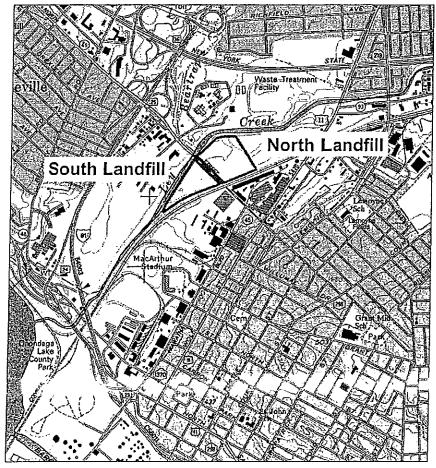
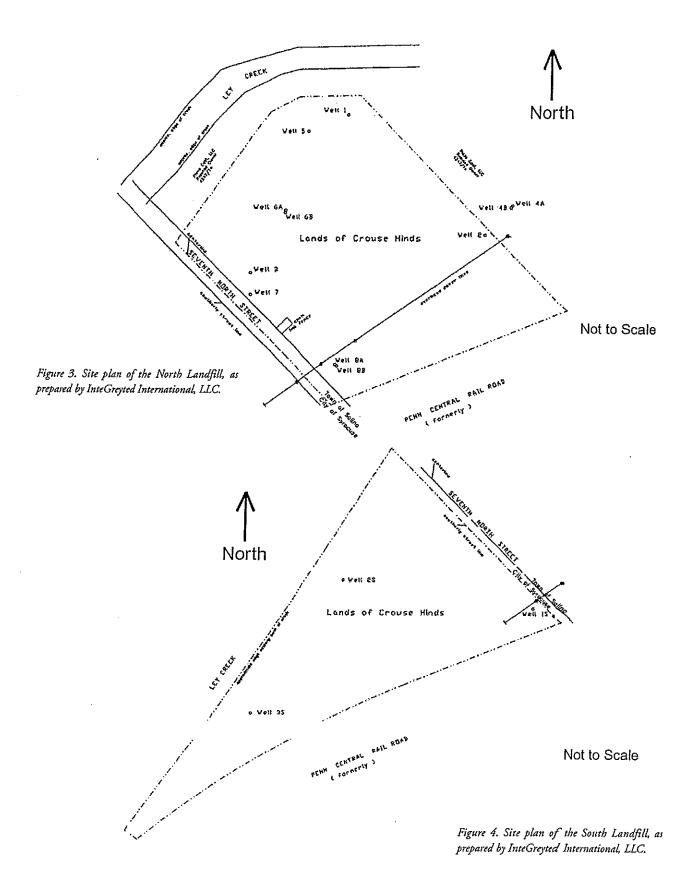
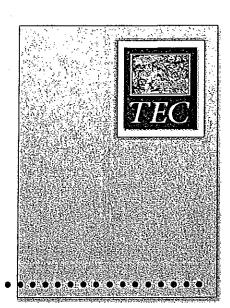


Figure 2. North Landfill and South Landfill shown on the NYSDOT 7.5-minute topographic map (Syracuse West quadrangle).



Cooper Crouse-Hinds Landfill Vegetation and Wildlife Study / page 3



# Section A

o assess the impact of contamination on vegetation and wild-life resources, it was important to conduct a vegetation and wildlife field survey and then to develop maps showing the locations of any known rare species and/or unique natural features or community types, as well as water features, on or adjacent to the site, and to compile a comprehensive plant and wildlife species inventory for the site.

## Site Maps

The vegetation and wildlife inventory was conducted on 21 June 2004. However, prior to conducting this survey, published data sources were reviewed and then used for preparing the natural resources maps. These sources of information included the New York Natural Heritage Program Significant Habitat and Element Occurrence Records (Appendix A), U.S. Fish and Wildlife Service rare species data (Appendix A) New York Preparity

Bird Atlas data (Appendix A), New York State Herpetology Atlas data (Appendix A), U.S. Fish and Wildlife Service data (Appendix A), 6NYCRR freshwater wetland and stream classification maps, NYSDEC fisheries data; Environmental Data Resources, Inc. (EDR) Historical Topographic Map Report, EDR Aerial Photo Decade

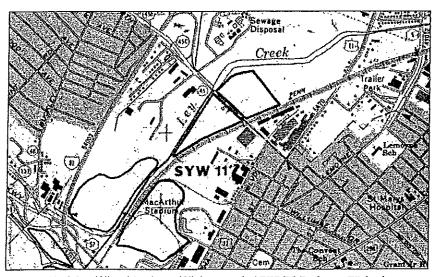


Figure 5. North Landfill and South Landfill shown on the NYSDEC Freshwater Wetland map.

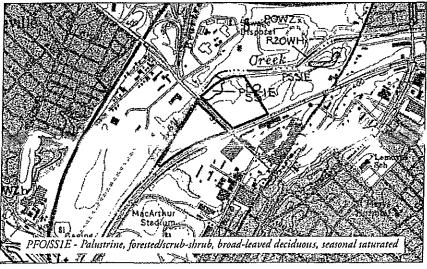


Figure 6. North Landfill and South Landfill shown on the NWI map.

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Figure 7. North Landfill and South Landfill shown on the Onondaga County soils map.

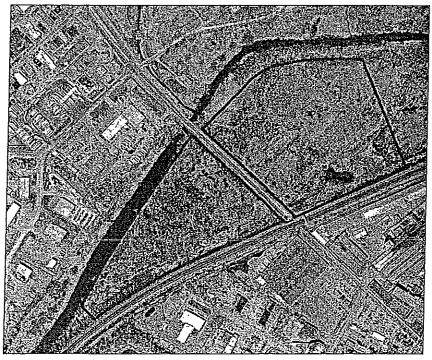


Figure 8. North Landfill and South Landfill shown on a 2003 aerial photograph.

Package, EDR NEPA Check, NYS-DEC Freshwater Wetland maps (Figure 5) National Wesland Transaction

maps (Figure 6), Onondaga County Soil Survey (Figure 7), and NYS GIS Clearing House aerial photograph (Figure 8). A vegetation cover map for the site was prepared with the use of these sources of information, as well as data collected from conducting a detailed on-site field survey of the vegetation (Figure 9 - Appendix B). The various

uated based on species composition and structural diversity (i.e., foliage height, spatial distribution, percent cover, age class, species distribution, vegetation layering), and are described according to *Ecological Communities of New York State* (Reschke 2002).

## Vegetation Communities

There are a number of vegetation community types on the site, including old field, shrub upland, deciduous forest, and wetland. The following is a general description of each of the vegetation community types, including a discussion on dominant species and general characteristics of each community. A map (Figure 10) showing the locations of the photographs of the site is included in Appendix B. A list of all plant species, including scientific and common names, identified on the site is presented in Tables 1 and 2 in Appendix C.



Figure 11. The old field in the northern portion of the North Landfill.

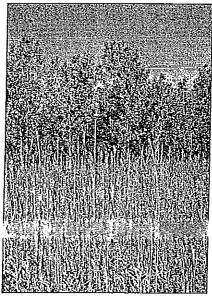
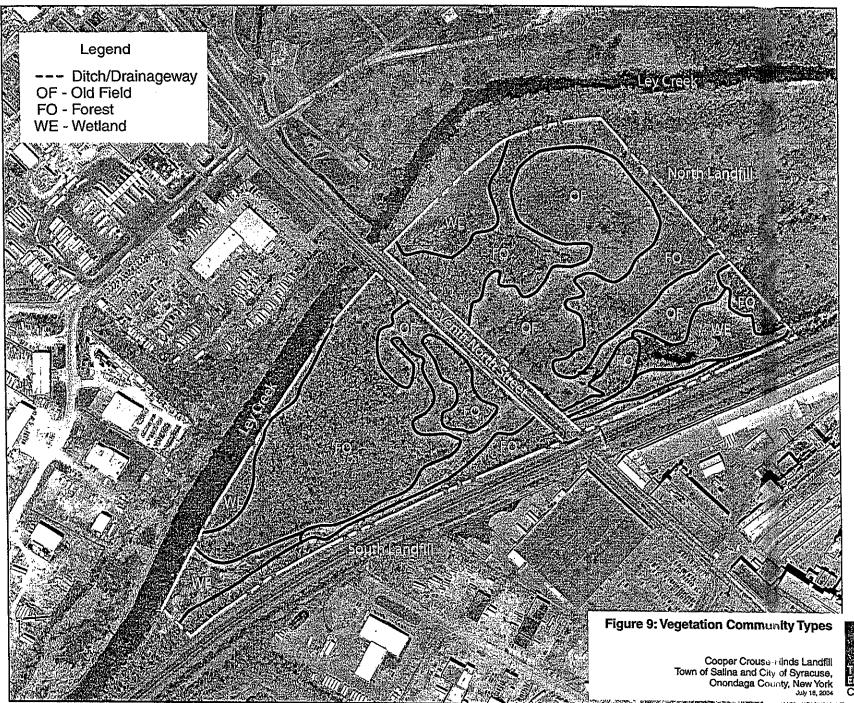


Figure 12. Another view of the old field in the northern portion of the North Landfill.





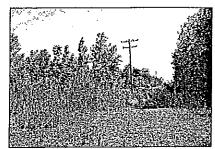


Figure 13. An area of the old field in the northeastern portion of the North Landfill.

#### Old Field

There are several areas of old field on the site. This vegetation community type is classified by Reschke as successional old field. The overall character of the old field areas tends to be the same; that is, areas dominated by forbs (broad-leaved flowering plants) and grasses. There are many species that are found throughout the old fields within the study area although the species composition and distribution varies from area to area, often times based on past use or current soil conditions. The most common species found on the North Landfill include orchard grass (Dactylis glomerata), Canada goldenrod (Solidago canadensis), Canada bluegrass (Poa compressa), Kentucky bluegrass (Poa pratensis), bushy knapweed (Centauria maculosa), spring forget-

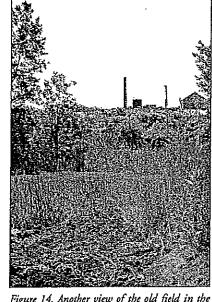


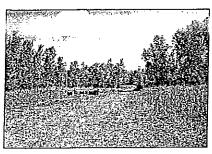
Figure 14. Another view of the old field in the northern portion of the North Landfill.

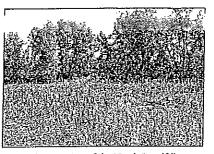
me-not (Myosotis verna), deptford pink (Dianthus armeria), white sweet-clover (Melilotus alba), timothy (Phleum pratense), ragweed (Ambrosia artemisiifolia), English plantain (Plantago lanceolata), rough bedstraw (Galium asprellum), common yarrow (Achillea millefolium), ox-eye daisy (Leucanthemum vulgare), and bird's-foot trefoil (Lotus corniculata).

Although common reed (Phragmites australis) is not considered an old field



Figures 15 and 16. Old field vegetation in the southern portion of the North Landfill.





Figures 17 and 18. Another view of the old field in the southern portion of the North Landfill.

species, it has spread into some of the old field areas where it has formed dense stands. In addition, a number of shrub and sapling tree species are present within the old field areas, although they collectively have less than 50 percent cover within this community type. These species include staghorn sumac (Rhus typhina), buckthorn (Rhamnus cathartica), honeysuckle (Lonicera tatarica), and Eastern cottonwood (Populus deltoides).

The most common species found on the South Landfill include Canada goldenrod, Kentucky bluegrass, Canada bluegrass, dame's-rocket (Hesperis matronalis), deptford pink, spring forget-me-not, common yarrow, ox-eye daisy, bird's-foot trefoil, common milkweed (Asclepias syriaca), and tall ironweed (Vernonia altissima). It should be noted that an access road occurs generally from north to south through the forested areas in the South Landfill, and old field vegetation has become established along this road. However, the road does not show up well on the enclosed aerial photograph and was therefore not shown on Figure 9. As with the old field areas in the North Landfill, common reed has spread into some of the old field areas in the South Landfill where it has formed dense stands.

#### Shrub Upland

Small areas of shrub upland occur within the study area and tend to grade into old field on the one side and deciduous forest on the other side, with the boundaries between the community types rather indistinguishable. In fact, shrub upland is not shown on the vegetation community type map be-

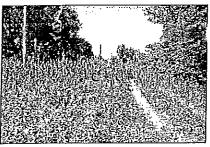
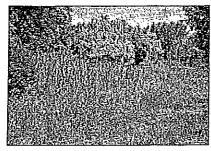


Figure 19. Old field in the northern portion of the South Landfill.



cause it was too difficult to determine

the boundaries. This community type

is classified by Reschke as successional

shrubland. As with the old field com-

munity type, shrub uplands occur on

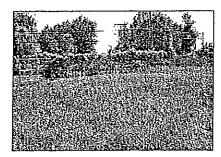
sites that were once cleared for farm-

ing, logging, development, etc. and

then abandoned. This particular veg-

etation community type has at least 50 percent shrub cover, although the den-

sity of shrubs varies between the dif-

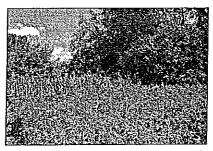


Figures 20 and 21. Views of the old field in the southern portion of the South Landfill. Note how common reed has spread into this old field area.

ferent areas. The most common species noted within the project study area include buckthorn and honeysuckle.

#### **Deciduous Forest**

The deciduous forest areas within the site do not fit any of the forest descriptions presented in Reschke. The forests on site are dominated by light-requiring, wind-dispersed species that are



Figures 23 and 24. Old field vegetation occurs along the access road in the northern portion of the South Landfill. Note the deciduous forest to the north, south, and west of this area.

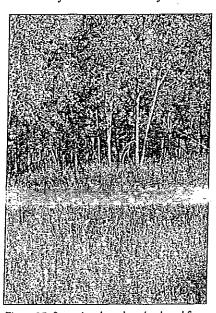


Figure 25. Successional northern hardwood forest in the northern portion of the North Landfill.

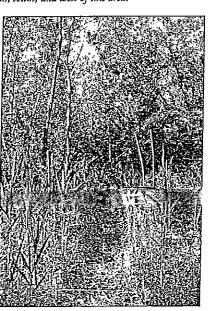


Figure 26. Successional northern hardwood forest in the western portion of the North Landfill.

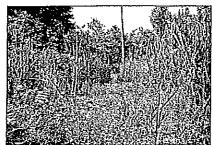


Figure 22. An area that contains old field vegetation along with common reed.

well-adapted to establishment following disturbance, and they tend to range in age and structure from early successional to late successional (10 to 40 years old). A characteristic feature of successional forests is the lack of reproduction of the canopy species. Most of the tree seedlings and saplings in successional forests are species that are more shade-tolerant than the canopy species. Shrub layer and ground layer plants may include species characteristic of successional old fields and/or species that occurred on or near the site prior to disturbance. These forest ateas tend to be rather dense in the understory and difficult to walk through.

The deciduous forest areas within the North and South Landfills are dominated by Eastern cottonwood, with black willow (Salix nigra) and box-elder (Acer negundo) being fairly common in

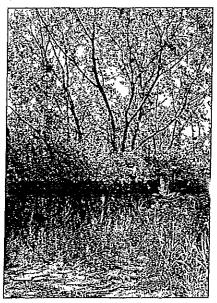
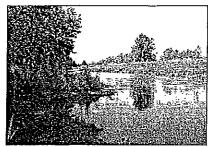


Figure 27. Dense shrubs under sparse trees in northwest corner of the South Landfill.



Figure 28. Successional northern hardwood forest in the central portion of the South Landfill.



Figures 29 and 30. Ley Creek borders the west side of the South Landfill. Dense hardwood forest and common reed border the creek.

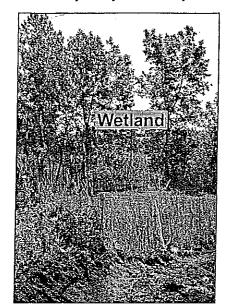


Figure 31. The emergent wetland along the eastern portion of the North Landfill.

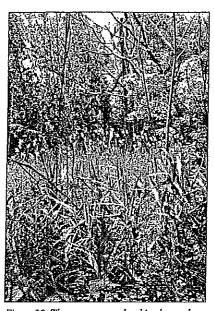


Figure 32. The emergent wetland in the southern portion of the South Landfill.

places. Buckthorn and honeysuckle are common understory shrubs throughout these forested areas, with garlic mustard (Alliaria petiolata) being a common herbaceous species. Some of the early successional forested areas consist mostly of Eastern cottonwood saplings with an understory of yellow sweet-clover (Melilotus officinalis), white sweet-clover, ox-eye daisy, deptford pink, Canada and Kentucky bluegrass, bushy knapweed, and common St. John's-wort (Hypericum per-

Wetland

Two areas of wetland occur within the limits of the North Landfill and two areas of wetland occur within the limits of the South Landfill. These wetlands are similar to the shallow emergent wetland described by Reschke.

The dominant species in these areas is is common reed, although narrow-leaved cattail (*Typha angustifolia*) occurs in patches in the two wetlands in the North Landfill. Areas of open water are also present within the wetland on the east side of the North Landfill.

Several drainage channels occur within the project study area and are shown on Figure 9 (Appendix B) while Figure 33 shows the drainage patterns within both sites. Some wetland veg-

channels, including black willow, silky dogwood, purple loosestrife, and common reed. However, all but the drainageway leading into the wetland on the west side of the North Landfill are unvegetated and appear to have been created by humans.

# Rare Species

According to the U.S. Fish and Wildlife Service data, there are no rare plant species on or within a 1-mile radius of the site (refer to correspondence in Appendix A). Correspondence received from the New York Natural Heritage Program (NHP) Significant Habitat and Element Occurrence Records indicates that an unprotected vegetation community type (inland salt pond) and a threatened vascular plant (red pigweed - Chenopodium rubrum) occur within a 1-mile radius and/or 7.5 miles downstream of the site (refer to correspondence in Appendix A). However, the salt pond is highly degraded and no longer contains any salt marsh vegetation and the information on red pigweed is historical (1922 and 1940), with no recorded sightings of this plant since that time. Neither of these NHP elements occurs on or adjacent to the

## Vegetation Summary

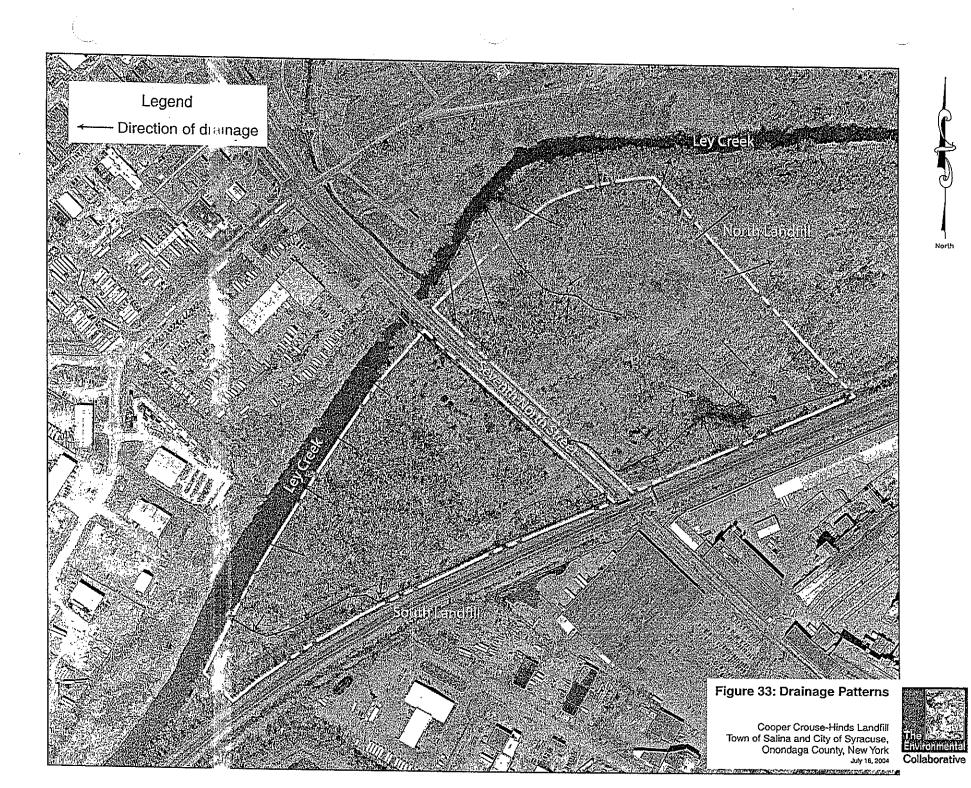
The historical topographic maps and aerial photographs provided by EDR indicate that wetland completely cov-

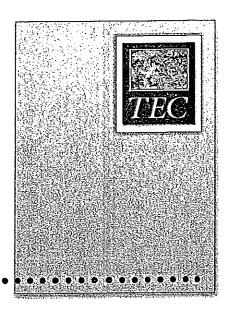
fills. However, the 1973 topographic map does not indicate that any wetland is present within either landfill site, although the aerial photographs and the field survey did reveal that some wetland occurs within both landfill sites, but not to the extent that was present prior to the use of the property for landfill purposes.

The vegetation community types identified on and adjacent to the site, as well as the particular species observed within them, are considered common throughout New York State. In addi-

tion, there were no visual signs of stressed vegetation (e.g., yellowed or discolored leaves, shriveled leaves, stunted growth, basal sprouting or suckering) noted anywhere on the site.

Due to the relatively small size and past use of the site and the surrounding landscape, there is a noted lack of diversity in terms of vegetation community types and therefore plant species.





# Section B

Section B of the FWIA is a description of the fish and wildlife resources on the site. The purpose is to survey these resources to determine if there are any impacts due to contamination.

### Description of Fish and Wildlife Resources

The wildlife species within and around the aquatic resources located on and adjacent to the site were identified. These resources included wetlands and streams (various ditches and Ley Creek). The physical features of these aquatic habitats were noted in terms of general qualitative characteristics (i.e., gradient, flow, substrate, etc.), along with vegetation and wildlife species present. More detailed habitat characteristics (i.e., water chemistry, temperature, dissolved oxygen, etc.)

Information concerning on-site wildlife species was collected by consulting published reports. Existing data concerning wildlife resources on the site were verified and supplemented by field evaluation of the wildlife communities and habitats on site. Field inventory techniques relied primarily on visual and auditory recording of species. Birds were documented by sight and song, and evidence of breeding was noted (territorial singing, carrying nest material, nests, and carrying food for young).

Mammals were identified through direct observation of species and/or their sign (dens, tracks, droppings, bones, etc.). Reptiles and amphibians were surveyed through systematic searches of wooded areas, wetlands, and ditches. In searching for snakes and salamanders, rocks, logs, and other debris were turned over and examined. Visual surveys were used to determine turtle and fish species present within the project limits.

Observations of stress on wildlife species was noted by looking for atypical biotic conditions such as reduced density, reproduction, wildlife mortality, changes in species assemblages and distribution, and/or the absence of expected biota. Evidence of contamina-

seeps, or exposed waste, were also noted and are described below.

### Wildlife Habitat

Given the size limitations of the site and the highly developed surrounding landscape, the site does not support a very rich wildlife species community. Much of the area contains common species that are typically associated with edge habitat, small woodlots, shrubby environments, monotypic wetlands, and a rather degraded stream (Ley Creek).

#### Fish

Although Ley Creek is not part of the project study area, it forms the western boundary of the South Landfill and therefore information regarding the classification and water quality standards, as well as fish population data, were obtained from the NYSDEC. The portion of Ley Creek adjacent to the North and South Landfills is classified as a Class C stream with C standards (S. Cook, NYSDEC, pers. comm.). There are no current records for fish populations in the NYSDEC database for this part of Ley Creek (D. Bishop, NYSDEC, pers. comm.), although historic (1971) records show that portions

NYSDEC records in Appendix A). In addition, the lower 2-mile stretch of the creek was once an excellent waterfowl marsh but has since been filled and the stream has been polluted. Fish species observed in 1971 in Ley Creek at Seventh North Street include White Sucker (Catostomus commersoni), Golden Shiner (Notemigonus cryso-

leucas), Yellow Perch (Perca flavescens), Common Carp (Cyprinus carpio), and Brook Stickleback (Culaea [Eucalia] inconstans).

### Amphibians & Reptiles

Two species of amphibians were observed on the North Landfill (Table 3 - Appendix C) including Green Frog (Rana clamitans melanota) and Common Snapping Turtle (Chelydras. serpentina). Green Frog was observed in the wetland on the eastern side of the landfill and Snapping Turtle was noted in the drainage ditch in the southwest portion of the landfill. No amphibians or reptile species were noted on the South Landfill (Table 4 - Appendix C).

#### Birds

Twenty three species of birds were observed on the North Landfill and 17 species were observed on the South Landfill (Tables 3 and 4, respectively). The vast majority of species are those that are often found along woodland edges and shrubby fields in upland areas, habitats that are common on the landfill and adjacent property, as well as throughout much of central New York. Among the species that were particularly common on the landfill sites were Gray Cathird (Dumetella carolinensis), American Robin (Turdus migratorius), Cedar Waxwing (Bombycilla cedrorum), Northern Cardinal (Cardinalis cardinalis), Black-capped Chickadee (Poecile atricapillus), House Wren (Troglodytes aedon), American Goldfinch (Carduelis tristis), and Warbling Vireo (Vireo gilvus).

Most of the bird species noted on the site are typical of those found in relatively small woodlots throughout New

capped Chickadee, Downy Woodpecker (Picoides pubescens), and Wood Thrush (Hylocichla mustelina) were observed in the forested areas while House Wren, Warbling Vireo, Baltimore Oriole (Icterus galbula), American Crow (Corvus brachyrhynchos), and Song Sparrow (Melospiza melodia) were observed along the forest edges.

Common Yellowthroat (Geothlypis trichas), Yellow Warbler (Dendroica petechia), and Red-winged Blackbird (Agelaius phoeniceus) were observed in the wet shrubby areas and emergent wetlands.

One upland game species, American Woodcock (*Philohela minor*), was observed in the drainageway that leads to the wetland on the west side of the North Landfill site.

Great Blue Heron (Ardea herodias) and Green Heron (Butorides virescens) were observed flying over the site and could possibly be feeding on Green Frogs within the open water areas of the wetlands and/or Ley Creek. Tree Swallows (Tachycineta bicolor) were also observed feeding on insects over Ley Creek, but could possibly feed on insects over the open water within the wetland on the east side of the North Landfill.

#### Mammals

Three species of mammals were observed on the North Landfill (Table 3) including Whitetail Deer (Odocoileus virginianus), Woodchuck (Marmota monax), and Meadow Vole (Microtus pennsylvanicus). Four species of mammals were observed on the South Landfill (Table 4), including Eastern Gray Squirrel (Sciurus carolinensis), Woodchuck, Whitetail Deer, and Raccoon (Procyon lotor). Whitetail Deer and Woodchuck were particularly common on both landfill sites and were observed in, or can be expected to occur in, virtually all portions of the property. Species such as Opossum (Didelphis marsupialis) and Striped Skunk (Mephitis mephitis) can also be expected to occur in any habitat on or adjacent to the property, although none were observed

### Rare Species

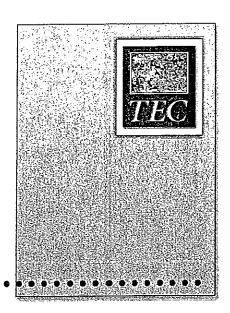
According to the NHP Element Occurrence Records, the New York State Breeding Bird Atlas, and the U.S. Fish and Wildlife data, there are no rare wildlife species on or within a 1-mile

radius of the site (refer to correspondence in Appendix A).

### Wildlife Summary

As mentioned in the Vegetation Summary section of this report, historical topographic (dated 1947, 1958, 1973) and photographic (dated 1959, 1966, 1978, 1988, 1995) information indicate that most of both landfills contained wetland. In addition, historical fisheries information (dated 1971) indicates that high quality waterfowl habitat existed along this stretch of Ley Creek. This type of habitat would have harbored a particular community of wildlife species that are no longer present due to loss of habitat. However, the current habitat supports a viable population of different species of wildlife, albeit a small community due to the small number of vegetation community types on and adjacent to the site, the small size and past use of the subject property, and the surrounding developed landscape. Much of the area is dominated by more common species that are typically associated with edge habitat, small woodlots, and shrubby environments. In terms of overall health of the wildlife community, none of the wildlife species observed were disfigured or showed any visible signs of stress. Wildlife species dependent on aquatic resources are often highly susceptible to contamination. However, the apparent lack of reptiles, amphibians, and fish species is not necessarily an indication of contamination from either of the two landfills. As stated previously, a number of factors could contribute to the lack of diversity of species, including lack of good quality habitat and high quality adjacent habitat from which species

mostly of landfill material with little to no topsoil which most likely accounts for the lack of dense, lush vegetation throughout the site. The lack of good quality vegetation community types, as well as the limited size of the site, precludes the occupation of the property by a vast list of wildlife species.



# Section C

A revaluation was made of the existing habitat to associated fauna. This was accomplished by determining the degree to which the habitats within the site meet the requirements for food, cover, bedding areas, breeding, and roosting sites for various species of wildlife. Qualitative assessments of fish and wildlife population densities and diversities were determined. This information was then used to assess, in a qualitative manner, the general ability of the area to support fish and wildlife.

The current and potential use of fish and wildlife resources by humans was assessed in terms of hunting, fishing, wildlife observation, scientific research, and other recreational or economic activities. Included within this assessment were resources on the site as well as immediately adjacent to the site perimeter.

# Description of rish and vyname Resource Value

The following is a discussion of the value of the Cooper Crouse-Hinds Landfill site as it relates to providing habitat for associated fauna and a resource for human use.

### Value of Habitat to Associated Fauna

The aquatic habitats on the Cooper Crouse-Hinds Landfill site consist of emergent wetlands, one of which contains areas of open water, and several drainage ditches. The fishery resources of the site are limited to Ley Creek, the open water within one of the wetlands, and the ditches that convey water from the wetlands to Ley Creek. However, no fish species were observed in any of the aquatic habitats on either of the landfills and the fisheries dated obtained from the NYSDEC shows that Ley Creek is a poor fishery due to pollution and degradation.

The Cooper Crouse-Hinds Landfill site and the surrounding area provides a small mosaic pattern of wildlife habitat types. These include old fields, shrub uplands, deciduous forests, and wetlands. As a result of this variety of habitat types, the majority of wildlife species that occur in the area are those

small, patchy blocks of one vegetation cover type. Given that the surrounding area is highly developed, the landfill sites act as a green island or refugium in an area that otherwise is relatively devoid of wildlife species. This area is not only used by resident species of wildlife but also by birds during the fall and spring migrations.

#### Value of Resources to Humans

The fishery resources of the site are very limited and have little value to humans. There are no fish species known to exist on the Cooper Crouse-Hinds Landfill site and the only open water occurs on the North Landfill surrounded by emergent wetland.

The only other known fishery resource adjacent to the landfill property is Ley Creek. This creek is currently polluted and does not appear to support a viable population of game fish that would be of interest to fishermen. Even if the creek supported a reproducing population of game fish, public access to much of the creek is limited due to the posting of private property. Therefore, this stretch of Ley Creek has somewhat limited value to humans.

Hunting is not allowed on the property, and even though the game species (Whitetail Deer, Woodcock, Gray

on the site readily move on and off the property, utilization of this resource is restricted due to the highly developed nature of the surrounding areas.

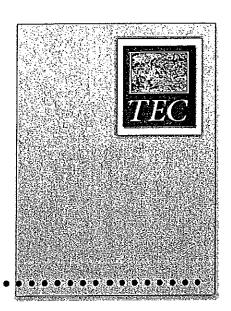
The primary value of the wildlife that are associated with the site would be as a resource for birdwatchers in other areas besides New York State. Although

the Cooper Crouse-Hinds Landfill site is closed to the public, the birds that breed on these sites are migratory, and during certain times of the year, can be observed in other parts of the United

States as well as certain other countries, depending on the species.

In terms of the site and surrounding land providing educational, scientific

research, and recreational opportunities, these activities are restricted only by the fact that the land is under private ownership and not accessible to the public.



# Section D

Identification was made of the contaminant-specific and site-specific criteria applicable to the fish and wildlife resources for the Cooper Crouse-Hinds landfill site. Various government publications were used in determining these criteria, including the New York State Code of Rules and Regulations (6NYCRR) Parts 182, 608 701, 702, 703, and 800, and New York State Environmental Conservation Law (NYS ECL) Articles 11 and 15.

## Identification of Applicable Fish and Wildlife Regulatory Criteria

A number of New York State Codes, Rules, and Regulations that have been promulgated under the NYS ECL

Laws), as well as several Federal laws, are applicable to the Cooper Crouse-Hinds landfill site. These laws are

found in Article 11 (Fish and Wildlife), Sections 11-0503, 11-0515, and 11-0535, Article 15 (Water Resources), Title 5 (Protection of Waters), and Section 404 of the Clean Water Act. The following is a list of the contaminantspecific and site-specific regulatory criteria applicable to the site.

# Contaminant-Specific Criteria

The following 6NYCRR protecting water quality are applicable to the Cooper Crouse-Hinds landfill site:

Part 701 - Classification - Surface Waters and Groundwater

Section 701.1 General conditions applying to all water classifications.

The discharge of sewerage, industrial waste or other wastes shall not cause impairment of the best usages of the receiving water as specified by the water classifications at the location of discharge and a particular transfer to the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state

be affected by such discharge.

Part 702 - Derivation and use of Standards and Guidance Values

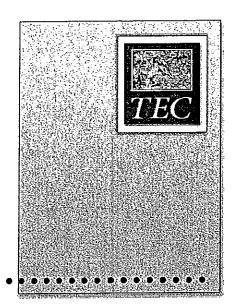
Section 702.1 Basis for derivation of water quality standards and guidance values.

- (a) The control of taste-, color-, and odor-producing, toxic and other deleterious substances is implemented through the use of standards and guidance values.
- (b) The derivation of standards and guidance values will consider, to the extent possible, variations in natural or background conditions of waters, including but not limited to alkalinity, temperature, hardness and pH.

Section 702.9 Standards and guidance values for protection of aquatic life.

(a) Standards and guidance values for the protection of the best usage of fishing shall also prevent tainting of aquatic food and shall be protective of the

life from the substances that may bioaccumulate and are referred to as aquatic values.



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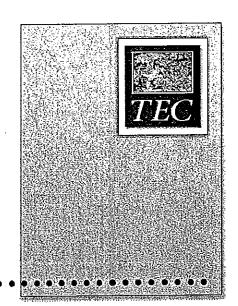
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# Appendix

Appendix A:

Agency Information

Appendix B:

Natural Resources Maps

Appendix C:

Vegetation and Wildlife Species Lists

Appendix A:

Agency Information

# New York State Department of Environmental Conservation Division of Fish, Wildlife & Marine Resources

New York Natural Heritage Program

625 Broadway, 5th floor, Albany, New York 12233-4757

Phone: (518) 402-8935 • FAX: (518) 402-8925

Website: www.dec.state.ny.

July 23, 2004

Barbara C Reuter The Environmental Collaborative 309 Palmer Drive Fayetteville, NY 13066

Dear Ms. Reuter:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to an Environmental Assessment for the Cooper Crouse-Hinds Landfills, area as indicated on the map you provided, located in the Town of Salina and City of Syracuse, Onondaga County.

Enclosed is a report of rare or state-listed animals and plants, significant natural communities, and other significant habitats, which our databases indicate occur, or may occur, on your site or in the immediate vicinity of your site. The information contained in this report is considered <u>sensitive</u> and may not be released to the public without permission from the New York Natural Heritage Program.

PLEASE NOTE: We report records within a 1-mile buffer and 7.5 miles downstream of landfill project sites.

The presence of rare species may result in this project requiring additional permits, permit conditions, or review. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, at the enclosed address.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our databases. We cannot provide a definitive statement on the presence or absence of all rare or state-listed species or significant natural communities. This information should not be substituted for on-site surveys that may be required for environmental impact assessment.

Our databases are continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information

Betty A Ketcham, Information Services

Erin M. Crotty Commissioner

NY Natural Heritage Program

Enc.

cc: Reg. 7, Wildlife Mgr.

Reg. 7, Fisheries Mgr.

Reg. 7, Bureau of Habitat

### Natural Heritage Report on Rass species and Ecological Communities



Prepared 22 July 2004 by NY Natural Heritage Program, NYS DEC, Albany, New York

is report contains SENSITIVE information that should be treated in a sensitive manner -- Please see cover letter. Refer to the Users' Guide for explanations of codes, ranks, and fields.

do not always provide maps of locations of species most vulnerable to disturbance, nor of some records whose locations and/or extents are not precisely known or are too large to display.

County Town				•	rage 1
Scientift Name, COMMON NAME, & Group Name	NY Legal Status, Heritage Ranks, & Federal Status	EO Rank & Last Seen	Detailed Location	General Habitat and Quality	Office Use
ONONDAGA SALINA					
INLAND SALT POND Community	UNPROTECTED G2 St	D 1998-08-12	ONONDAGA SALT MARSH Danforth Pool between Route 57 and Onondaga Lake on the northeast side of the lake.	A pool fed by salt springs. Severely degraded; no salt marsh left	4307612 S
Chenopodium rubrum RED PIGWEED Vascular Plant	THREATENED G5 S2	F 1940-08-30	SALINA Salina, along shores of a lake in a park just south of Liverpool (1940). About the salt sheds south of Liverpool (1922).	Shores. Failed to find in degraded saltmarsh.	4307612 M

<sup>2</sup> Records Processed

### USERS GUIDE TO NY NATURAL HERITAGE DATA

New York Natural Heritage Program, 625 Broadway, Albany, NY, 12233-4757 (518) 402-8935

NATURAL HERITAGE PROGRAM: The Natural Heritage Program is an ongoing, systematic, scientific inventory whose goal is to compile and maintain data on the rare plants and animals native to New York State, and significant ecological communities. The data provided in the report facilitate sound planning, conservation, and natural resource management and help to conserve the plants, animals and ecological communities that represent New York's natural heritage.

DATA SENSITIVITY: The data provided in the report are ecologically sensitive and should be treated in a sensitive manner. The report is for your in-house use and should not be released, distributed or incorporated in a public document without prior permission from the Natural Heritage Program.

### NATURAL HERITAGE REPORTS (may contain any of the following types of data):

COUNTY NAME: County where the occurrence of a rare species or significant ecological community is located. TOWN NAME: Town where the occurrence of a rare species or significant ecological community is located. USGS 7 1/2 TOPOGRAPHIC MAP: Name of 7.5 minute US Geological Survey (USGS) quadrangle map (scale 1:24,000).

SIZE (acres): Approximate acres occupied by the rare species or significant ecological community at this location. A blank indicates unknown size. SCIENTIFIC NAME: Scientific name of the occurrence of a rare species or significant ecological community. COMMON NAME: Common name of the occurrence of a rare species or significant ecological community.

ELEMENT TYPE: Type of element (i.e. plant, animal, significant ecological community, other, etc.)

LAST SEEN: Year rare species or significant ecological community last observed extant at this location.

EO RANK: Comparative evaluation summarizing the quality, condition, viability and defensibility of this occurrence. Use with LAST SEEN.

A-E = Extant: A=excellent, B=good, C=fair, D=poor, E=extant but with insufficient data to assign a rank of A - D.

F = Failed to find. Did not locate species, but habitat is still there and further field work is justified.

H = Historical. Historical occurrence without any recent field information.

X = Extirpated. Field/other data indicates element/habitat is destroyed and the element no longer exists at this location.

? = Unknown.

Blank = Not assigned.

NEW YORK STATE STATUS (animals): Categories of Endangered and Threatened species are defined in New York State Environmental Conservation Law section 11-0535. Endangered, Threatened, and Special Concern species are listed in regulation 6NYCRR 182.5.

E = Endangered Species: any species which meet one of the following criteria:

1) Any native species in imminent danger of extirpation or extinction in New York.

2) Any species listed as endangered by the United States Department of the Interior, as enumerated in the Code of Federal Regulations 50 CFR 17.11.

T = Threatened Species: any species which meet one of the following criteria:

Any native species likely to become an endangered species within the foreseeable future in NY.
 Any species listed as threatened by the U.S. Department of the Interior, as enumerated in the Code of the Federal Regulations 50 CFR 17.11.

SC = Special Concern Species: those species which are not yet recognized as endangered or threatened, but for which documented concern exists for their continued welfare in New York. Unlike the first two categories, species of special concern receive no additional legal protection under Environmental Conservation Law section 11-0535 (Endangered and Threatened Species).

P = Protected Wildlife (defined in Environmental Conservation Law section 11-0103): wild game, protected wild birds, and endangered species of

U = Unprotected (defined in Environmental Conservation Law section 11-0103): the species may be taken at any time without limit; however a license to take may be required.

G = Game (defined in Environmental Conservation Law section 11-0103): any of a variety of big game or small game species as stated in the Environmental Conservation Law; many normally have an open season for at least part of the year, and are protected at other times.

NEW YORK STATE STATUS (plants): The following categories are defined in regulation 6NYCRR part 193.3 and apply to NYS Environmental Conservation Law section 9-1503.

E = Endangered Species: listed species are those with:

1) 5 or fewer extant sites, or

2) fewer than 1,000 individuals, or

3) restricted to fewer than 4 U.S.G.S. 7 1/2 minute topographical maps, or

4) species listed as endangered by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

T = Threatened: listed species are those with:

1) 6 to fewer than 20 extant sites, or

 2) 1,000 to fewer than 3,000 individuais, or
 3) restricted to not less than 4 or more than restricted to not less than 4 or more than 7 U.S.G.S. 7 and 1/2 minute topographical maps, or

4) listed as threatened by U.S. Department of Interior, as enumerated in Code of Federal Regulations 50 CFR 17.11.

R = Rare: listed species have:

1) 20 to 35 extant sites, or

2) 3,000 to 5,000 individuals statewide.

V = Exploitably vulnerable: listed species are likely to become threatened in the near future throughout all or a significant portion of their range within the state if causal factors continue unchecked.

U = Unprotected; no state status.



### United States Department of the Interior



#### FISH AND WILDLIFE SERVICE

3817 Luker Road Cortland, NY 13045

July 21, 2004

Ms. Barbara C. Reuter President The Environmental Collaborative 309 Palmer Drive Fayetteville, NY 13066-1246

Dear Ms. Reuter:

This responds to your letter of June 24, 2004, requesting information on the presence of Federally listed or proposed endangered or threatened species in the vicinity of the Cooper Crouse-Hinds Landfills in the City of Syracuse and Town of Salina, Onondaga County, New York.

Except for occasional transient individuals, no Federally listed or proposed endangered or threatened species under our jurisdiction are known to exist in the project impact area. In addition, no habitat in the project impact area is currently designated or proposed "critical habitat" in accordance with provisions of the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.). Therefore, no further Endangered Species Act coordination or consultation with the U.S. Fish and Wildlife Service (Service) is required. Should project plans change, or if additional information on listed or proposed species or critical habitat becomes available, this determination may be reconsidered. The most recent compilation of Federally listed and proposed endangered and threatened species in New York\* is available for your information.

The above comments pertaining to endangered species under our jurisdiction are provided pursuant to the Endangered Species Act. This response does not preclude additional Service comments under other legislation.

For additional information on fish and wildlife resources or State-listed species, we suggest you contact the appropriate New York State Department of Environmental Conservation regional office(s).\* and:

New York State Department of Environmental Conservation New York Natural Heritage Program Information Services 625 Broadway Albany, NY 12233-4757 (518) 402-8935 Since wetlands may be present, you are advised that National Wetlands Inventory (NWI) maps may or may not be available for the project area. However, while the NWI maps are reasonably accurate, they should not be used in lieu of field surveys for determining the presence of wetlands or delineating wetland boundaries for Federal regulatory purposes. Copies of specific NWI maps can be obtained from:

Cornell Institute for Resource Information Systems
302 Rice Hall
Cornell University
Ithaca, NY 14853-5601
(607) 255-6520

web: http://iris.css.cornell.edu email: cornell-iris@cornell.edu

Work in certain waters of the United States, including wetlands, may require a permit from the U.S. Army Corps of Engineers (Corps). If a permit is required, in reviewing the application pursuant to the Fish and Wildlife Coordination Act, the Service may concur, with or without recommending additional permit conditions, or recommend denial of the permit depending upon potential adverse impacts on fish and wildlife resources associated with project construction or implementation. The need for a Corps permit may be determined by contacting the appropriate Corps office(s).\*

If you require additional information or assistance please contact Michael Stoll at (607) 753-9334.

Sincerely,

David A. Stilwell Field Supervisor

Mark W. Charge

\*Additional information referred to above may be found on our website at: http://nyfo.fws.gov/es/esdesc.htm.

cc: NYSDEC, Syracuse, NY (Environmental Permits) NYSDEC, Albany, NY (Natural Heritage Program) COE, Buffalo, NY New York State Department of Environmental Conservation Division of Fish, Wildlife and Marine Resources, Region 7 Bureau of Fisheries

1285 Fisher Avenue, Cortland, New York 13045-1090 Phone: (607) 753-3095 • FAX: (607) 753-8532

Website: www.dec.state.ny.us



IMMEDIATE ATTENTION	
FROM: Barrol Cenon	
FROM: Sarral Censon	<del></del>
REGION 7- CORTLAND OFFICE  FAX #: (\$15) (37-6425 NUMBER OF PAGES H PLUS COVER	
DATE: 7/1/04	;
MESSAGE:    tratoried Fishers into on request  area of Ley Creek.	he d
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# NEW YORK STATE CONSERVATION DEPARTMENT

NYS DEC CORTLAND

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atershed Oswe	go	Date_ <u>8/12</u>	-18/7	<u>1</u>	/	Author	ity_	Cre	ach,	Wedge,	Veas	-
revious Stacking	None known,	although r	unors	.p¢r	<u>sist</u>	tha	t th	is s	tres	n and tr	hha.	<del></del>
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ccessibility (Section),	9.6 m	iles.	Lecosoi!	əllity	(Enti	r <del>e</del> )		<u> </u>	·		<u>.</u>	<u> </u>
rout inhabited area (S	ection) <u>N</u>	one .	Crout in	habit	ed are	sa (En	tire) .		<u>.                                    </u>		i	
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Stocking policy:	(315) 63	7-3701		<u>a</u>	ors:	بق ا		ľ	Ť	ond		•
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<b>z</b>		H P P P	tion			Young trout per acre (adjusted	ď.	Temp:	生	Name and key <u>Ley Creek</u> ( Old Liverpo Station location 0, 3 aby. ma		
Моде		>— 03	app fee		L	sted		.∺ >~		erpo ek (	Date	TVHYS
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		8 F	YIS		1		<u>a</u>	F	ı		· Mark	E Y
		nixture of silt, sand soft to walk on. The shocked. Vegetatestatis along banks.	Ē.			1	Efficiency (yg trout)	<u>•</u>		(falle) pow(		
•		nd, Th	for		Total		trou	EST	Acres	ats.	į <b>p</b>	
-		a mixture of silt, sand, clay an too soft to walk on. Therefore, s not shocked. Vegetation is I cattails along banks.	<b>4</b> Ä				<b>⋽</b>	_!ime (EST)_2:15_pm	(Z)	Quod Syracuse	Authority L. R. Wedge	
		ay for	тач					:15		12.38 13.31	ge	·
		nixture of silt, sand, clay and soft to walk on. Therefore, ot shocked. Vegetation is sattails along banks.	appears to be very uniform, having a feet.			İ	-	and .		Mes	:	
			Ça.							Quod Syracuse Nest 7½,		
885 -					1	ì	i	ł	١.	ı 16 <u>7</u>	: '	

Old Liverpul Rd.

. OB C	اب حب (ماء)	· · ·
Name of species	Abun-	Number and description
The flow is slo	, _	
No fish observe	Į.	
-		· . · .

### FISH COLLECTION SMALL STREAM SURYEY

Survey_	0swego	Date 8/18	71 Author	rity L. R. W	edge
Name a	nd key <u> Le</u> y	Creek (3-081 1.0 mi.	154) abv. T-1	Quad Syrac	use West 7垓
Station	location 0.2	5 abv. Lemoyr	M. Ave.	County Onon	daga
Length	450' Y	VidibD	) 18"(1	to 4.5'Acres_	
Flow_	0.4 cfs	_ Теюр: A <u>74</u>	W 68	_Time (EST)	9:45 a.m.
Gear_	220 RAC -	2 wands	_ Effici	ency (yg trout)_	
Young	1tout per αcr	e (adjusted total).	None	<u> </u>	
Factor	s: W	ИН	F	Total	
Genera	al notes:				

Bottom clay (10%), rubble & trash (60%), muck (30%). Water is turbid, oil slick present. Water here very conductive - blew 4 10A fuses on 1/2 wave - using 2 wands (50% of section) - blew no fuses using 1 wand. One crayfish found dead - apparently not long. Section receives periodic toxic pollutants. Section dredged in part.

### FISH COLLECTION SMALL STREAM SURVEY

Survey Oswego Date 8/18/71 Authority L. R. Wedge	_
Name and key <u>Ley Creek (3-OSP154) Quad Syr. West 7%</u>	_
Station location 7th N. Street, at T-1 County Onondaga	
Longth 200 Width 25 (20-30 Depth 2' (to 4+) Acres XXXXXXXX	
Flow Temp: A <u>85</u> W <u>75</u> Time (EST) <u>12:20 pm.</u>	
Gear 220 RAC Homelite Efficiency (ye trout)	
Young trout per acre (adjusted total) <u>None</u>	
Factors: WNHFTotal	
General notes:	

Bottom is 25% rubbish, 75% mad. Water very turbid. Wide, deep dredged section.

Stocking policy:

Fg-29

Stocking policy:

<b>}.</b>	Name of species dance Number and description				/~ N.	STRET &T 1-1
Name of species	Abon- dance	Number and description		Name of species	Abun- dance	Number and description
C. carpio		One 24" seen dead - appeared		C. commerson1	R	to 7"
		One 24" seen dead - appeared to be dead less than I day.		N. Crysoleucas	2	
				P. flavescens	1	
				C. carpio	С	to 30"
	,	1		E. inconstans	C-	
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		10.	21461 41. 1.1
	Name of species	Abun- dance	Number and description
c.	commerson1	R	to 7"
Ñ.	crysoleucas	2	
P.	flavescens	1	
C.	carpio	С	to 30"
€.	inconstans	C-	
	•	1	•

# NYS Breeding Bird Atlas



### 2000-2004

Navigation Tools
Perform Another Search
Show All Records
Sort by Field Card Order
Sort by Taxonomic Order
View 1985 Data

Block 4077C Su	mmary
Total Species:	68
Possible:	7
Probable:	14
Confirmed:	47

Click on column heading to sort by that category.

Common Name	Scientific Name	Behavior Code	<u>Date</u>	NY Legal Status	V
Great Blue Heron	Ardea herodias	<u>X1</u>	8/5/2001	<u>Protected</u>	R
Green Heron	Butorides virescens	<u>FL</u>	7/12/2003	<u>Protected</u>	R
Turkey Vulture	Cathartes aura	<u>X1</u>	7/15/2001	Protected	R
Canada Goose	Branta canadensis	FL.	6/10/2001	Game Species	R
Wood Duck	Aix sponsa	FL	7/1/2002	Game Species	R
Mallard	Anas platyrhynchos	FL	6/9/2001	Game Species	R
Osprey	Pandion haliaetus	<u>X1</u>	6/10/2001	Protected- Special Concern	R
Northern Harrier	Circus cyaneus	<u>P2</u>		<u>Threatened</u>	R
Cooper's Hawk	Accipiter cooperii	<u>X1</u>	8/17/2003	Protected- Special Concern	R
Red-tailed Hawk	Buteo jamaicensis	<u>NE</u>	5/25/2000	<u>Protected</u>	В
			-		

American Kestrel	Falco sparverius	FL	7/2/2002	Protected	R
Wild Turkey	Meleagris gallopavo	FL	7/1/2002	Game Species	R
Killdeer	Charadrius vociferus	FL	7/2/2002	Protected	R
Spotted Sandpiper	Actitis macularia	<u>FL</u>	6//2003	Protected	R
Upland Sandpiper	Bartramia longicauda	FL	7/1/2002	Threatened	R
American Woodcock	Scolopax minor	<u>X1</u>	5/3/2001	Game Species	В
Rock Dove	Columba livia	NE	7/19/2000	Unprotected	R
Mourning Dove	Zenaida macroura	FL	5/2/2000	Protected	ВІ
Great Horned Owl	Bubo virginianus	<u>P2</u>	2/3/2002	<u>Protected</u>	R
Chimney Swift	Chaetura pelagica	<u>T2</u>	6/1/2002	Protected	$\mathbb{R}$
Ruby-throated Hummingbird	Archilochus colubris	T2	7/2/2002	Protected	R
Belted Kingfisher	Ceryle alcyon	<u>FY</u>	6/10/2001	Protected	R.
Downy Woodpecker	Picoides pubescens	FY	6/18/2000	Protected	R
Hairy Woodpecker	Picoides villosus	NY	5/15/2000	Protected	В
Northern Flicker	Colaptes auratus	ON	6/28/2000	Protected	R.
Eastern Wood- Pewee	Contopus virens	FL	6/18/2000	Protected	R
Willow Flycatcher	Empidonax traillii	<u>T2</u>	6/5/2000	Protected	В
Least Flycatcher	Empidonax minimus	<u>T2</u>	6/29/2003	Protected	R
Eastern Phoebe	Sayornis phoebe	<u>X1</u>	5/10/2000	<u>Protected</u>	В
Eastern Kingbird	Tyrannus tyrannus	<u>FS</u>	8/13/2000	<u>Protected</u>	R
Warbling Vireo	Vireo gilvus	<u>FL</u>	6/16/2001	<u>Protected</u>	R,
Red-eyed Vireo	Vireo olivaceus	<u>52</u>	7/23/2001	Protected	В
Blue Jay	Cyanocitta cristata	FY	7/1/2002	Protected	R
American Crow	Corvus brachyrhynchos	FY	7/4/2000	Game Species	R.
Horned Lark	Eremophila alpestris	<u>P2</u>	7/1/2002	Protected- Special Concern	R.
Tree Swallow	Tachycineta bicolor	FY	6/28/2000	<u>Protected</u>	R
	Stelgidopteryx serripennis	NY	7/5/2001	Protected	В

I <del></del>			1	71	٦٢
Barn Swallow	NY	7/13/2003	<u>Protected</u>	R.	
Black-capped Chickadee	Poecile atricapillus	<u>52</u> .	5/10/2000	Protected	ВІ
Tufted Titmouse	Baeolophus bicolor	<u>S2</u>	7/6/2003	<u>Protected</u>	R/
White-breasted Nuthatch	Sitta carolinensis	<u>FY</u>	5/26/2000	Protected	В
House Wren	Troglodytes aedon	NE	7/1/2002	<u>Protected</u>	R/
Wood Thrush	Hylocichla mustelina	<u>52</u>	5/23/2001	Protected	В
American Robin	Turdus migratorius	NE	5/10/2000	<u>Protected</u>	ВГ
Gray Catbird	Dumetella carolinensis	FY	6/28/2000	Protected	R/
Northern Mockingbird	Mimus polyglottos	FY	7/4/2000	Protected	R/
Brown Thrasher	Toxostoma rufum	<u>X1</u>	6/1/2002	<u>Protected</u>	R/
European Starling	Sturnus vulgaris	NY	5/9/2001	<u>Unprotected</u>	BF
Cedar Waxwing	Bombycilla cedrorum	FL	8/17/2003	Protected	R/
Yellow Warbler	Dendroica petechia	FY	6/28/2000	<u>Protected</u>	R/
American Redstart	Setophaga ruticilla	<u>P2</u>	6/27/2001	<u>Protected</u>	BF
Common Yellowthroat	Geothlypis trichas	<u>FL</u>	6/28/2000	<u>Protected</u>	R/
Chipping Sparrow	Spizella passerina	<u>FL</u>	6/29/2001	<u>Protected</u>	BI
Savannah Sparrow	Passerculus sandwichensis	ON	7/1/2002	<u>Protected</u>	R/
Grasshopper Sparrow	Ammodramus savannarum	<u>P2</u>	7/1/2002	<u>Protected-</u> <u>Special Concern</u>	R/
Song Sparrow	Melospiza melodia	FY	6/16/2001	<u>Protected</u>	R/
Swamp Sparrow	Melospiza georgiana	<u>52</u>	7/15/2003	<u>Protected</u>	R/
Northern Cardinal	Cardinalis cardinalis	FY	7/1/2002	<u>Dentanter</u>	F
Rose-breasted Grosbeak	Rose-breasted <i>Pheucticus</i>		7/1/2002	<u>Protected</u>	R/
Bobolink Dolichonyx oryzivorus		<u>FY</u>	7/15/2003	<u>Protected</u>	R/
Red-winged Blackbird	Agelaius phoeniceus	FY	6/2/2000	<u>Protected</u>	R/

				••	
Eastern Meadowlark	Sturnella magna	FY	7/15/2003	Protected	R
Common Grackle	Quiscalus quiscula	<u>FY</u>	6/2/2000	<u>Protected</u>	R/
Brown-headed Cowbird	Molothrus ater	FY	7/1/2002	<u>Protected</u>	R/
Baltimore Oriole	Icterus galbula	<u>FY</u>	7/2/2000	<u>Protected</u>	R/
House Finch	Carpodacus mexicanus	FY	6/10/2001	Protected	R،
American Goldfinch Carduelis tristis		FL	8/31/2003	Protected	R۷
House Sparrow Passer domesticu		<u>ON</u>	5/15/2000	<u>Unprotected</u>	ВІ

Current Date: 6/24/2004

# New York State Department of Environmental Conservation

Services Programs Subject Index Search Highlights Contact Us Heme

# NYS Breeding Bird Atlas



### 1980-1985

Navigation Tools
Perform Another Search
Sort by Field Card Order
Sort by Taxonomic Order
View 2000 Data

Block 4077C Summary			
Total Species:	60		
Possible: 1			
Probable: 2:			
Confirmed: 29			

Click on column heading to sort by that category.

Common Name	Scientific Name	Behavior Code	Date	NY Legal
Green Heron	Butorides virescens	<u>P2</u>	1983	Protected
Mallard	Anas platyrhynchos	<u>FL</u>	1983	Game Spec
Red-tailed Hawk	Buteo jamaicensis	NY	1980	Protected
American Kestrel	Falco sparverius	<u>X1</u>	1983	Protected
Virginia Rail	Rallus limicola	<u>T2</u>	1983	Game Spec
Killdeer	Charadrius vociferus	DD	1983	<u>Protected</u>
Spotted Sandpiper	Actitis macularia	<u>IDD</u>	1983	<u>Protectea</u>
Upland Sandpiper	Bartramia longicauda	FL	1982	<u>Threatened</u>
Rock Dove	Columba livia	FL	1983	<u>Unprotected</u>
Mourning Dove	Zenaida macroura	FL	1983	<u>Protected</u>
Great Horned Owl	Bubo virginianus	NY	1980	Protected
Ruby-throated	Archilochus colubris	<u>X1</u>	1983	Protected

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mingbird			Transport of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Cont	
d Kingfisher	Ceryle alcyon	<u>X1</u>	1983	Protected
y Woodpecker	licoides pubescens	<u>FL</u>	1983	Protected
Woodpecker /	icoides villosus	<u>D2</u>	1983	Protected
ern Flicker	Colaptes auratus	FL	1983	Protected
v Flycatcher	mpidonax traillii	D2	1983	Protected
Flycatcher E	mpidonax minimus	D2	1983	<u>Protected</u>
rn Kingbird 7	yrannus tyrannus	<u>T2</u>	1983	<u>Protected</u>
ling Vireo	ireo gilvus	<u>D2</u>	1983	<u>Protected</u>
eyed Vireo	ireo olivaceus	<u>T2</u>	1983	Protected
lay C	yanocitta cristata	<u>P2</u>	1983	<u>Protected</u>
can Crow	orvus brachyrhynchos	P2	1983	Game Speci
ed Lark	remophila alpestris	FL	1984	Protected-S Concern
Swallow 7	achycineta bicolor	FL .	1983	Protected
	telgidopteryx erripennis	X1	1983	Protected
14/2016/14/	etrochelidon vrrhonota	<u>X1</u>	1983	Protected
Swallow	irundo rustica	NE	1983	Protected
capped Chickadee P	pecile atricapillus	P2	1983	Protected
Wren	roglodytes aedon	D2	1983	Protected
C	atharus fuscescens	X1	1983	<u>Protected</u>
Thrush H	ylocichla mustelina	<u>T2</u>	1983	<u>Protected</u>
can Robin T	ırdus migratorius	FY	1983	<u>Protected</u>
Catbird	umetella carolinensis	<u>D2</u>	1983	<u>Protected</u>
Thrasher To	oxostoma rufum	<u>T2</u>	1983	<u>Protected</u>
ean Starling S	urnus vulgaris	FY	1983	<u>Unprotected</u>
Waxwing Bo	ombycilla cedrorum	FV	1983	Protected
vinged Warbler Ve	ermivora pinus	<u>X1</u>	1983	<u>Protected</u>
Warbler Do	endroica petechia	<u>FL</u>	1983	Protected
can Redstart Se	tophaga ruticilla	<u>FL</u>	1983	Protected
on Yellowthroat Ge	eothlypis trichas	<u>D2</u>	1983	Protected
d Warbler <i>W</i>	Isonia citrina	<u>X1</u>	1983	Protected
on Yellowthroat G	othlypis trichas	<u>D2</u>	1983	P

•			_
Pipilo erythrophthalmus	<u>X1</u>	1983	Protected
Spizella passerina	FL	1983	Protected
Spizella pusilla	<u>D2</u>	1983	Protected
Passerculus sandwichensis	FY	1982	Protected
Ammodramus savannarum	FY	1982	Protected-Si Concern
Melospiza melodia	FL	1983	Protected
Melospiza georgiana	<u>T2</u>	1983	<u>Protected</u>
Cardinalis cardinalis	<u>FL</u>	1983	Protected
Pheucticus Iudovicianus	<u>X1</u> ·	1983	Protected
Dolichonyx oryzivorus	<u>D2</u>	1983	Protected
Agelaius phoeniceus	FY	1982	Protected
Sturnella magna	<u>T2</u>	1983	Protected
Quiscalus quiscula	FY	1983	Protected
Molothrus ater	FL	1983	Protected
Icterus galbula	FY	1983	<u>Protected</u>
Carpodacus mexicanus	FL	1983	Protected
Carduelis tristis	<u>P2</u>	1983	<u>Protected</u>
Passer domesticus	UN	1983	<u>Unprotected</u>
	Spizella passerina Spizella pusilla Passerculus sandwichensis Ammodramus savannarum Melospiza melodia Melospiza georgiana Cardinalis cardinalis Pheucticus ludovicianus Dolichonyx oryzivorus Agelaius phoeniceus Sturnella magna Quiscalus quiscula Molothrus ater Icterus galbula Carduelis tristis	Spizella passerinaFLSpizella pusillaD2Passerculus sandwichensisFYAmmodramus savannarumFYMelospiza melodiaFLMelospiza georgianaT2Cardinalis cardinalisFLPheucticus ludovicianusX1Dolichonyx oryzivorusD2Agelaius phoeniceusFYSturnella magnaT2Quiscalus quisculaFYMolothrus aterFLIcterus galbulaFYCarpodacus mexicanusFLCarduelis tristisP2	Spizella passerina         FL         1983           Spizella pusilla         D2         1983           Passerculus sandwichensis         FY         1982           Ammodramus savannarum         FY         1982           Melospiza melodia         FL         1983           Melospiza georgiana         T2         1983           Cardinalis cardinalis         FL         1983           Pheucticus ludovicianus         X1         1983           Pheucticus ludovicianus         X1         1983           Agelaius phoeniceus         FY         1982           Sturnella magna         T2         1983           Quiscalus quiscula         FY         1983           Molothrus ater         FL         1983           Icterus galbula         FY         1983           Carpodacus mexicanus         FL         1983           Carduelis tristis         P2         1983

Current Date: 6/24/2004

# Amphibians and Reptiles of Syracuse West Quadrangle compiled 1 July 2004 by Alvin r. Breisch based on NYS Amphibian and Reptile Atlas 1990 to 1999

Town Topo Quad Detailed location Scientific Name	Common Name
Geddes Syracuse West Jun W of Burnet Park Zoo (Henry Street) Clemmys insculpta	Wood Turde
Geddes Syracuse West N Thruway 10 Miles West of Exit 39, Slovay Chelydra s. serpentina	Common Snapping Turtle
Geddes Syracuse West On undaga Lake Bufo a, americanus	Eastern American Toad
Geddes Syracuse West Ou undaga Lake Hyla versicolor	Gray Treefrog
Geddes Syracuse West On indaga Lake Pseudacris c. crucifer	Northern Spring Peeper
Geddes Syracuse West Ouridaga Lake Rana clamitans melanota	Green Frog
Geddes Syracuse West On indaga Lake Rana pipiens	Northern Leopard Frog
Geddes Syracuse West Ouridaga Lake Ambystoma maculatum	Spotted Salamander
Geddes Syracuse West Owndaga Lake Notophthalmus v. viridescer	•
Geddes Syracuse West Omndaga Lake Nerodia s. sipedon	Northern Water Snake
Geddes Syracuse West On endaga Lake Storeria d. dekavi	Northern Brown Snake
Geddes Syracuse West Omindaga Lake Thampophis sirtalis	Common Garter Snake
Geddes Syracuse West Ou indaga Lake Chelydra s. serpentina	Common Snapping Turtle
Geddes Syracuse West On indaga Lake Chrysemys picta	Painted Turtle
Geddes Syracuse West Omndaga Lake Sternotherus odoratus	Common Musk Turtle
Onondaga Syracuse West On andaga Community College Campus Pseudacris c. crucifer	Northern Spring Peeper
Onondaga Syracuse West On indaga Community College Campus Rana clamitans melanota	Green Frog
Onondaga Syracuse West On indaga Community College Campus Desmognathus fuscus	Northern Dusky Salamander
Onondaga Syracuse West Owndaga Community College Campus Eurycea bislineata	Northern Two-lined Salamander
Onondaga Syracuse West Oundaga Community College Campus Diadophis punctatus edward	•
Onondaga Syracuse West On endaga Community College Campus Thamnophis sirtalis	Common Garter Snake
Onondaga Syracuse West Sphe Rock Quarry, just north of Split Rock Road Pseudacris c. crucifer	Northern Spring Peeper
Onondaga Syracuse West Sphir Rock Quarry, just north of Split Rock Road Rana clamitans melanota	Green Frog
Onondaga Syracuse West Spin Rock Quarry, just north of Split Rock Road Rana pipiens	Northern Leopard Frog
Onondaga Syracuse West Spin Rock Quarry, just north of Split Rock Road Plethodon cinereus	Northern Redback Salamander
Onondaga Syracuse West Splin Rock Quarry, just north of Split Rock Road Plethodon glutinosus	Northern Slimy Salamander
Onondaga Syracuse West Sphi Rock Quarry, just north of Split Rock Road Diadophis punctatus edward	
Onondaga Syracuse West Sphi Rock Quarry, just north of Split Rock Road Lampropeltis t. triangulum	•
Onondaga Syracuse West Sphi Rock Quarry, just north of Split Rock Road Tharmophis sirtalis	Eastern Milk Snake
C.C.	Eastern Milk Snake Common Garter Snake
Salina Syracuse West Have ock Airport Pseudacris c. crucifer	Common Garter Snake
Salina Syracuse West Harrock Airport Pseudacris c. crucifer  Salina Syracuse West Harrock Airport Rana clamitans melanota	

Salina	Syracuse West	Hopkins Road between Buckley & Henry Clay in wooded swamp area		
Salina		Hopkins Road between Buckley & Henry Clay in wooded swamp area	Pseudacris c. crucifer	Northern Spring Peeper
Salina	Syracuse West	Hopkins Road between Buckley & Henry Clay in wooded swamp area	Rana clamitans melanota	Green Frog
Salina	Syracuse West	Hopkins Road between Buckley & Henry Clay in wooded swamp area	Rana pipiens	Northern Leopard Frog -
Salina	Syracuse West	Lude League field in Lonergan Park, North Syracuse	Thamnophis sirtalis	Common Garter Snake
Salina		On indaga Lake	Bufo a. americanus	Eastern American Toad
Salina		On maga Lake	Pseudacris c. crucifer	Northern Spring Peeper
Salina		Onendaga Lake	Rana clamitans melanota	Green Frog
Salina		On indaga Lake	Rana pipiens	Northern Leopard Frog
Salina		Crandaga Lake	Nerodia s. sipedon	Northern Water Snake
Salina		Owndaga Lake	Thamnophis sirtalis	Common Garter Snake
Salina		On indaga Lake	Chelydra s. serpentina	Common Snapping Turtle
Salina			Chrysemys picta	Painted Turtle
Syracuse - city	Syracuse West	Syrwuse Airport property, 1200 Airport Blvd., US Airways Reservation Center	Bufo a. americanus	Eastern American Toad
Syracuse - city	Syracuse West		Rana pipiens	Northern Leopard Frog
Syracuse - city		6. Fummit Ave urban residential area on steep hillside	Storeria d. dekayi	Northern Brown Snake
Syracuse - city	Syracuse West	An around Comstock Avenue & Syracuse University	Bufo a. americanus	Eastern American Toad
Syracuse - city		Arra around Comstock Avenue & Syracuse University	Pseudacris c. crucifer	Northern Spring Peeper
Syracuse - city		An around Comstock Avenue & Syracuse University	Rana clamitans melanota	Green Frog
Syracuse - city		Area around Comstock Avenue & Syracuse University	Plethodon cinereus	Northern Redback Salamander
Syracuse - city		Arra around Comstock Avenue & Syracuse University	Storeria d. dekayi	Northern Brown Snake
Syracuse - city	Sylactise West	Arra around Comstock Avenue & Syracuse University	Thamnophis sirtalis	Common Garter Snake
Syracuse - city	Syracuse West		Plethodon cinereus	Northern Redback Salamander
Syracuse - city		By Rooth Hall on Syracuse Campus	Thamnophis simalis	Common Garter Snake
Syracuse - city		Constock Ave., South of East Colvin	Bufo a. americanus	Eastern American Toad
•		Conner Jamesville Ave. & Ainsley Drive in Syracuse (City)	Lampropeltis t. triangulum	Eastern Milk Snake
Syracuse - city		Gounds of Syracuse Development Center	Plethodon cinereus	Northern Redback Salamander
Syracuse - city	Syracuse West	Hillside along Jamesville Ave., Syracuse University South Campus	Bufo a. americanus	Eastern American Toad
Syracuse - city		Hillside along Jamesville Ave., Syracuse University South Campus	Plethodon cinereus	Northern Redback Salamander
Syracuse - city		Hallaide along Jamesville Ave., Syracuse University South Campus	Storeria d. dekayi	Northern Brown Snake
Syracuse - city	Syracuse West	Hallside along Jamesville Ave., Syracuse University South Campus	Thamnophis similis	Common Garter Snake
Syracuse - city	Syracuse West	Onlywood Cemetery	Storeria d. dekayi	Northern Brown Snake
Syracuse - city	Syracuse West	O devood Cemetery	Plethodon cinereus	Northern Redback Salamander
Syracuse - city	Syracuse West	Park behing Corcoran High School off Glenwood Ave.	Plethodon cinereus	Northern Redback Salamander
Syracuse - city	Syracuse West	Park behing Corcoran High School off Glenwood Ave.	Storeria o. occiptornaculata	Northern Redbelly Snake
Syracuse - city		Park behing Corcoran High School off Glenwood Ave.	Plethodon cinereus	Northern Redback Salamander
Syracuse - city		Park behing Corcoran High School off Glenwood Ave.	Plethodon glutinosus	Northern Slimy Salamander
			J	

Syracuse - city

Common Garter Snake

Tharmophis sirtalis

Appendix B:

Natural Resources Maps

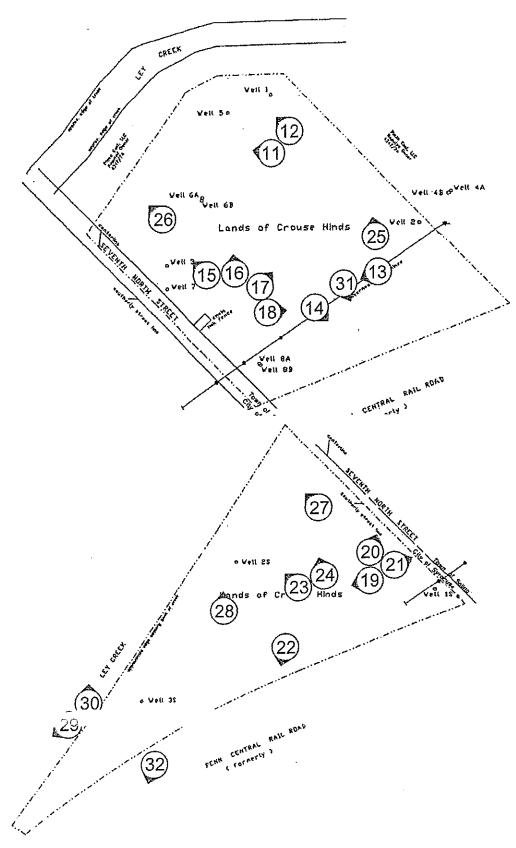


Figure 10. Photograph locations of the vegetation community types on the North and South Landfills.

Cooper Crouse-Hinds Landfill RI/FS Vegetation and Wildlife Study

Appendix C:

Vegetation and Wildlife Species Lists

#### Table 1. Vegetation Survey - Crouse Hinds North Landfill

Urticaceae (Nettle Family)

Pilea pumila

Clearweed

Juglandaceae (Walnut Family)

Juglans nigra

Black Walnut

Caryophyllaceae (Pink Family)

Dianthus armeria

Deptford Pink

Saponaria officinalis

Bouncing-bet

Silene latifolia

White Campion

Stellaria graminea

Common Stitchwort

Polygonaceae (Buckwheat Family)

Polygonum cuspidatum

Japanese Bamboo

Rumex crispus

**Curly Dock** 

Clusiaceae (Mangosteen Family)

Hypericum perforatum

Common St. John's-wort

Salicaceae (Willow Family)

Populus deltoides

Eastern Cottonwood

Populus tremuloides

Quaking Aspen

Salix nigra

Black Willow

Salix sp.

Willow

Brassicaceae (Mustard Family)

Alliaria petiolata

Garlic Mustard

Hesperis matronalis

Dame's-rocket

Rosaceae (Rose Family)

Geum laciniatum

Rough Avens

Potentilla recta

Sulfer Cinquefoil

Potentilla simplex

Common Cinquefoil

Fabaceae (Bean Family)

Lotus corniculata

Bird's-foot Trefoil

Medicago lupulina

Black Medic

Melilotus alba

White Sweef-clover

Melilotus officinalis

Yellow Sweet-clover

Robinia pseudo-acacia

Black Locust

Yellow Clover

Trifolium aureum Trifolium pratense

Red Clover

Rhamnaceae (Buckthorn Family)

Rhamnus cathartica

Buckthorn

#### Vitaceae (Grape Family)

Parthenocissus quinquefolia

Virginia Creeper Summer Grape Vitis aestivalis

Vitis riparia

Riverbank Grape

Lythraceae (Loosestrife Family)

Lythrum salicaria

Purple Loosestrife

Aceraceae (Maple Family)

Acer negundo

Box-elder

Anacardiaceae (Sumac Family)

Rhus hirta

Staghorn Sumac

Oxalidaceae (Oxalis Family)

Oxalis stricta

Lady's-sorrel

Apiaceae (Carrot Family)

Daucus carota

Wild Carrot (Queen Anne's-lace)

Gentianaceae (Gentian Family)

Centaurium erythraea

Centaury

Apocynaceae (Dogbane Family)

Apocynum cannabinum

Indian Hemp

Asclepiadaceae (Milkweed Family)

Asclepias incarnata

Swamp Milkweed Common Milkweed

Asclepias syriaca

**Butterfly-weed** 

Asclepias tuberosa Cynanchum louiseae

Black Swallow-wort

Solanaceae (Nightshade Family)

Solanum dulcamara

Trailing Nightshade

Boraginaceae (Borage Family)

Myosotis verna

Spring Forget-me-not

Lamiaceae (Mint Family)

Glechoma hederacea

Ground-ivy

Prunella vulgaris

Self-heal

Plantaginaceae (Plantain Family)

Plantago lanceolata

English Plantain

#### Oleaceae (Olive Family)

Fraxinus pennsylvanica

Green Ash

#### Scrophulariaceae (Figwort Family)

Linaria vulgaris

Butter-and-eggs

Penstemon digitalis

False-foxglove

Verbascum blattaria

Moth-mullein

#### Scrophulariaceae (Figwort Family) (cont.)

Verbascum thapsus

Mullein

Veronica serpyllifolia

Thyme-leaf Speedwell

#### Bignoniaceae (Bignonia Family)

Catalpa speciosa

Catalpa

#### Rubiaceae (Madder Family)

Galium asprellum Galium mollugo Rough Bedstraw

White Bedstraw

#### Caprifoliaceae (Honeysuckle Family)

Lonicera tatarica

Honeysuckle

#### Dipsaceae (Teasel Family)

Dipsacus fullonum

Common Teasel

#### Asteraceae (Aster Family)

Achillea millefolium

Common Yarrow

Ambrosia artemisiifolia

Ragweed

Centauria maculosa

**Bushy Knapweed** 

Cichorium intybus

Chicory

Erigeron philadelphicus Eupatorium rugosum Daisy Fleabane White Snakeroot

Euthamia graminifolia

Flat-top Goldenrod

Hieracium caespitosum

King-devil

Hieracium pilosella

Mouse-ear Hawkweed

Leucanthemum vulgare

Ox-eye Daisy Black-eyed Susan

Rudbeckia hirta Solidago altissima

Tall Goldenrod

Solidago canadensis

Canada Goldenrod

Solidago gigantea

Late Goldenrod

#### Lemnaceae (Lemna Family)

Lemna minor

Duckweed

#### Juncaceae (Rush Family)

Juncus tenuis

Slender Yard-rush

#### Poaceae (Grass Family)

Bromus secalinus Cheat

Dactylis glomerataOrchard GrassFestuca rubraRed FescueHordeum jubatumFoxtail BarleyLolium perenneEnglish Ryegrass

Panicum capillare Witchgrass
Phleum pratense Timothy

Phragmites australisCommon ReedPoa compressaCanada Bluegrass

Poa pratensis Kentucky Bluegrass

#### Typhaceae (Cattail Family)

Typha angustifolia Narrow-leaf Cattail

#### Liliaceae (Lily Family)

Asparagus officinalis Asparagus

#### Table 2. Vegetation Survey - Crouse Hinds South Landfill

Urticaceae (Nettle Family)

Urtica dioica

Stinging Nettle

Juglandaceae (Walnut Family)

Juglans nigra

Black Walnut

Phytolaccaceae (Pokeweed Family)

Phytolacca americana

Pokeweed

Caryophyllaceae (Pink Family)

Cerastium fontanum

Common Mouse-ear

Dianthus armeria

Deptford Pink

Polygonaceae (Buckwheat Family)

Polygonum cuspidatum

Japanese Bamboo

Clusiaceae (Mangosteen Family)

Hypericum perforatum

Common St. John's-wort

Salicaceae (Willow Family)

Populus deltoides

Eastern Cottonwood

Populus tremuloides

Quaking Aspen

Salix nigra

Black Willow

Brassicaceae (Mustard Family)

Alliaria petiolata

Garlic Mustard

Brassica nigra

Black Mustard

Hesperis matronalis

Dame's-rocket

Lepidium campestre

Cow-cress

Rosaceae (Rose Family)

Fragaria virginiana

Wild Strawberry

Potentilla recta

Sulfer Cinquefoil

Fabaceae (Bean Family)

Lotus corniculata

Bird's-foot Trefoil

Medicago lupulina

Black Medic

Melilotus officinalis

Yellow Sweet-clover

Robinia pseudo-acacia

Black Locust

Lythraceae (Loosestrife Family)

Lythrum salicaria

Purple Loosestrife

Onagraceae (Evening-primrose Family)

Circaea lutetiana

Enchanter's Nightshade

#### Cornaceae (Dogwood Family)

Cornus amomum

Silky Dogwood

#### Rhamnaceae (Buckthorn Family)

Rhamnus cathartica

Buckthorn

#### Vitaceae (Grape Family)

Parthenocissus quinquefolia

Virginia Creeper

Vitis aestivalis

Summer Grape

Vitis riparia

Riverbank Grape

#### Aceraceae (Maple Family)

Acer negundo

Box-elder

#### Anacardiaceae (Sumac Family)

Rhus hirta

Staghorn Sumac

#### Balsaminaceae (Touch-me-not Family)

Impatiens capensis

Spotted Jewelweed

#### Asclepiadaceae (Milkweed Family)

Cynanchum Iouiseae

Black Swallow-wort

#### Solanaceae (Nightshade Family)

Solanum dulcamara

Trailing Nightshade

#### Convolvulaceae (Morning-glory Family)

Ipomoea sp.

Morning-glory

#### Cuscutaceae (Dodder Family)

Cuscuta gronovii

Common Dodder

#### Boraginaceae (Borage Family)

Myosotis verna

Spring Forget-me-not

#### Verbenaceae (Verbena Family)

Verbena urticifolia

White Vervain

#### Lamiaceae (Mint Family)

Glechoma hederacea

Ground-ivy

Lamium album

Snowflake

Leonurus cardiaca

Motherwort

Catnip

Nepeta cataria Teucrium canadense

Wild Germander

#### Scrophulariaceae (Figwort Family)

Linaria vulgaris Penstemon digitalis

Verbascum blattaria Moth-mullein

Verbascum thapsus Mullein

Veronica arvensis Corn Speedwell

#### Rubiaceae (Madder Family)

Galium asprellum

Rough Bedstraw

Butter-and-eggs

False-foxglove

#### Caprifoliaceae (Honeysuckle Family)

Lonicera tatarica

Honeysuckle

#### Asteraceae (Aster Family)

Achillea millefolium Common Yarrow

Cirsium arvense Canada Thistle

Asteraceae (Aster Family) (cont.)

Cirsium vulgare Bull-thistle

Eupatorium rugosumWhite SnakerootLeucanthemum vulgareOx-eye DaisySolidago altissimaTall Goldenrod

Solidago altissima Tall Goldenrod
Solidago canadensis Canada Goldenrod
Solidago gigantea Late Goldenrod

Vernonia gigantea Tall Ironweed

#### Lemnaceae (Lemna Family)

Lemna minor

Duckweed

#### Poaceae (Grass Family)

Bromus inermis Smooth Brome

Bromus secalinus Cheat
Panicum capillare Witchgrass

Phragmites australis Common Reed
Poa compressa Canada Bluegrass

Poa pratensis Kentucky Bluegrass

Setaria viridis Green Foxtail

## Table 3. Wildlife Survey - Crouse Hinds North Landfill

#### Mammals

Sciuridae (Squirrel Family)

Marmota monax

Woodchuck

Cricetidae (Mice, Rat, Vole Family)

Microtus pennsylvanicus

Meadow Vole

Cervidae (Deer Family)

Odocoileus virginianus

Whitetail Deer

**Birds** 

Ardeidae (Heron and Bittern Family)

Ardea herodias

Great Blue Heron (fly-over)

Laridae (Gull Family)

Larus delawarensis

Ring-billed Gull (fly-over)

Columbidae (Pigeon and Dove Family)

Zenaida macroura

Mourning Dove

Picidae (Woodpecker Family)

Colaptes auratus

Northern Flicker

Picoides pubescens

Downy Woodpecker

Tyrannidae (Tyrant Flycatcher Family)

Empidonax minimus

Least Flycatcher

Vireonidae (Vireo Family)

Vireo gilvus

Warbling Vireo

Corvidae (Crow and Jay Family)

Corvus brachyrhynchos

American Crow

Paridae (Chickadee and Titmouse Family)

Poecile atricapillus

Black-capped Chickadee

Troglodytidae (Wren Family)

Troglodytes aedon

House Wren

Turdidae (Thrush Family)

Turdus migratorius

American Robin

Mimidae (Mockingbird and Thrasher Family)

Dumetella carolinensis

**Gray Catbird** 

Birds (cont.)

#### Bombycillidae (Waxwing Family)

Bombycilla cedrorum

Cedar Waxwing

#### Parulidae (Wood-warbler Family)

Dendroica petechia

Yellow Warbler

Geothypis trichas

Common Yellowthroat

Setophaga ruticilla

American Redstart

#### Emberizidae (Sparrow Family)

Melospiza melodia

Song Sparrow

Melospiza georgiana

Swamp Sparrow

#### Cardinalidae (Cardinal Family)

Cardinalis cardinalis

Northern Cardinal

#### Icteridae (Blackbird Family)

Agelaius phoeniceus

Red-winged Blackbird

Icterus galbula

Baltimore Oriole

Quiscalus quiscula

Common Grackle

#### Fringillidae (Finch Family)

Carduelis tristis

American Goldfinch

#### Reptiles and Amphibians

#### Chelydridae (Snapping Turtle Family)

Chelydra serpentina

**Snapping Turtle** 

#### Ranidae (True Frog Family)

Rana clamitans melanota

Green Frog

## Table 4. Wildlife Survey - Crouse Hinds South Landfill

#### Mammals :

Procyonidae (Raccoon Family)

Procyon lotor

Raccoon

Sciuridae (Squirrel Family)

Marmota monax

Woodchuck

Sciurus carolinensis

Easter Gray Squirrel

Cervidae (Deer Family)

Odocoileus virginianus

Whitetail Deer

**Birds** 

Ardeidae (Heron and Bittern Family)

Butorides virescens\*

Green Heron (fly-over)

Picidae (Woodpecker Family)

Colaptes auratus Picoides pubescens Northern Flicker

Downy Woodpecker

Tyrannidae (Flycatcher Family)

Empidonax traillii

Willow Flycatcher .

Vireonidae (Vireo Family)

Vireo gilvus

Warbling Vireo

Corvidae (Crow and Jay Family)

Corvus brachyrhynchos

American Crow

Hirundinidae (Swallow Family)

Tachycineta bicolor

Tree Swallow

Paridae (Chickadee and Titmouse Family)

Poecile atricapillus

Black-capped Chickadee

Troglodytidae (Wren Family)

Troglodytes aedon

House Wren

Turdidae (Thrush Family)

Hylocichla mustelina Turdus migratorius Wood Thrush

American Robin

Mimidae (Mockingbird and Thrasher Family)

Dumetella carolinensis

Gray Catbird

Bombycillidae (Waxwing Family)

Bombycilla cedrorum

Cedar Waxwing

Birds (cont.)

## Parulidae (Wood-warbler Family) s Common Yellowthroat

Geothypis trichas Setophaga ruticilla

American Redstart

## Cardinalidae (Cardinal Family) alis Northern Cardinal

Cardinalis cardinalis

# Fringillidae (Finch Family) American Goldfinch

Carduelis tristis

# ATTACHMENT 5 LEY CREEK SEDIMENT SAMPLING DATA

MIKE - AS WE DISCUSSED IN OUR 11/3/03 CONFERENCE CALL,
ATTACHED ARE THE DEC TRIBUTARY DATA FOR
LEY CREEK.

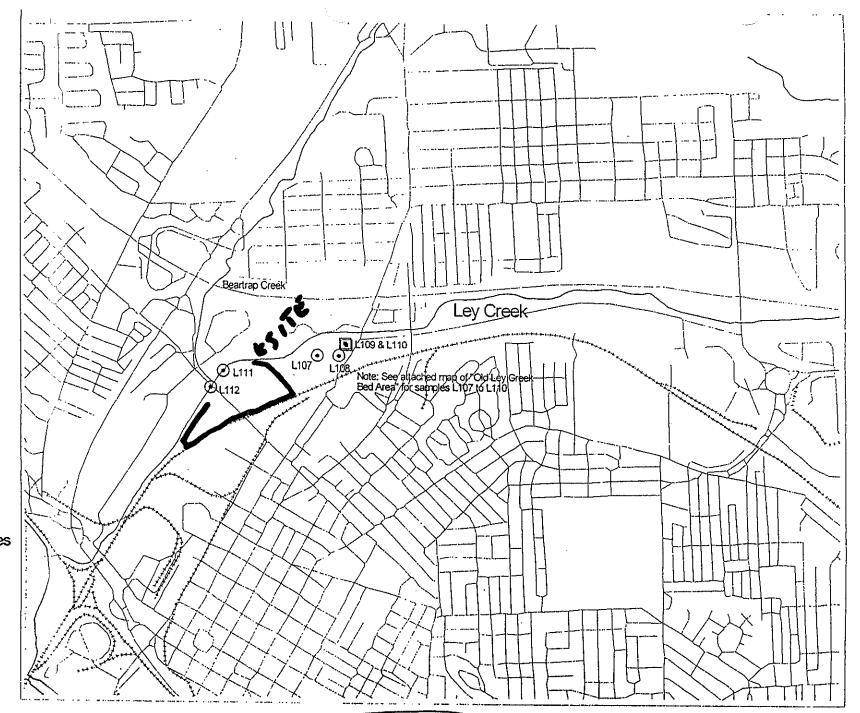
RICK

ENVIRONMENTAL AFFAIRS

NOV 1 4 2003

RECEIVED





Soil Samples
 Sediment Samples
 Railroad Tracks
 Roads
 Tributories

/ Tributaries

Onondaga Lake

1000 0 1000 2000 Feet

FALL 1997

Figure 3d: Lower Ley Creek Second Round Sampling Locations

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location 1	Parameter	Results - C.	型 Units電
L107	1,2-Dichlorobenzene	440	ug/kg
L107	1,2-Dichloroethene (Total)	8 J	ug/kg
L107	2-Methylnaphthalene	140 J	ug/kg
L107	Acenaphthene	680	ug/kg
L107	Acenaphthylene	600	ug/kg
L107	Acetone	18 J	ug/kg
L107	Anthracene	2200	ug/kg
L107	Aroclor-1248	8000 D	ug/kg
L107	Aroclor-1260	310 J	ug/kg
L107	Benzo(a)anthracene	7200 D	ug/kg
L107	Benzo(a)pyrene	6900 D	ug/kg
L107	Benzo(b)fluoranthene	7800 D	ug/kg
L107	Benzo(g,h,i)perylene	1900	ug/kg
L107	Bis(2-ethylhexyl)phthalate	890	ug/kg
L107	Carbazole	900	ug/kg
L107	Carbon disulfide	2 J	ug/kg
L107	Chrysene	8800 D	ug/kg
L107	Dibenzofuran	440	ug/kg
L107	Ethylbenzene	4 J	ug/kg
L107	Fluoranthene	16000 D	ug/kg
L107	Fluorene	1100	ug/kg
L107	Indeno(1,2,3-cd)pyrene	2100	ug/kg
L107	Naphthalene	140 J	ug/kg
L107	Phenanthrene	8900 D	ug/kg
L107	Pyrene	13000 D	ug/kg
L107	Unknown	230 JN	ug/kg ·
L107	Unknown	40 JN	ug/kg
L107	Unknown	9 JN	ug/kg
L107	Unknown	6 JN	ug/kg
L107	Unknown	270 JN	ug/kg
L107	Unknown	320 JN	ug/kg
L107	Unknown	560 JN	ug/kg
L107	Unknown	330 JN	ug/kg
L107	Unknown	350 JN	ug/kg
L107	Unknown	390 JN	ug/kg
L107	Vinyl chloride	3 J	ug/k <b>g</b>
L107	Xylene (Total)	3 J	ug/k <b>g</b>
L108	1,2-Dichlorobenzene	450 J	ug/kg
L108	1,4-Dichlorobenzene	160 J	ug/kg
L108	2-Butanone	78 J	ug/kg
L108	2-Methylnaphthalene	670 J	ug/kg
	4-Methylphenol	170 J	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location	Parameter	Results.	源 Units
L108	Acenaphthene	960 J	ug/kg
L108	Acenaphthylene	2300 J	ug/kg
L108	Acetone	240 J	ug/kg
L108	Anthracene	1900 J	ug/kg
L108	Aroclor-1016	230000 JD	ug/kg
L108	Aroclor-1260	7400 JD	ug/kg
L108	Benzene	3 J	ug/kg
L108	Benzo(a)anthracene	5300 J	ug/kg
L108	Benzo(a)pyrene	4800 J	ug/kg
L108	Benzo(b)fluoranthene	9200 J	ug/kg
L108	Benzo(g,h,i)perylene	2000 J	ug/kg
L108	Bis(2-ethylhexyl)phthalate	7500 JD	ug/kg
L108	Carbazole	320 J	ug/kg
L108	Carbon disulfide	18 J	ug/kg
L108	Chloromethane	10 J	ug/kg
L108	Chrysene	12000 JD	ug/kg
L108	Dibenz(a,h)anthracene	430 J	ug/kg
L108	Dibenzofuran .	970 J	ug/kg
L108	Fluoranthene	16000 JD	ug/kg
L108	Fluorene	2600 J	ug/kg
L108	Indeno(1,2,3-cd)pyrene	2000 J	ug/kg
L108	Naphthalene .	640 J	ug/kg
L108	Phenanthrene	3300 J	ug/kg
L108	Pyrene	21000 JD	ug/kg
L108	Unknown	1600 JN	ug/kg
L108	Unknown	62 JN	ug/kg
L108	Unknown	48 JN	ug/kg
L108	Unknown	180 JN	ug/kg
L108	Unknown	1100 JN	ug/kg
L108	Unknown	640 JN	ug/kg
L108	Unknown	49 JN	ug/kg
L108	Unknown	48 JN	ug/kg
L108	Unknown	79 JN	ug/kg
L108	Unknown	200 JN	ug/kg
L108	Unknown	560 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	1500 JN	ug/kg
L108	Unknown	2000 JN	ug/kg
L108	Unknown	670 JN	ug/kg
L108	Unknown	2600 JN	ug/kg
L108	Jnknown	150 JN	ug/kg
L108	Jnknown	1300 JN	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

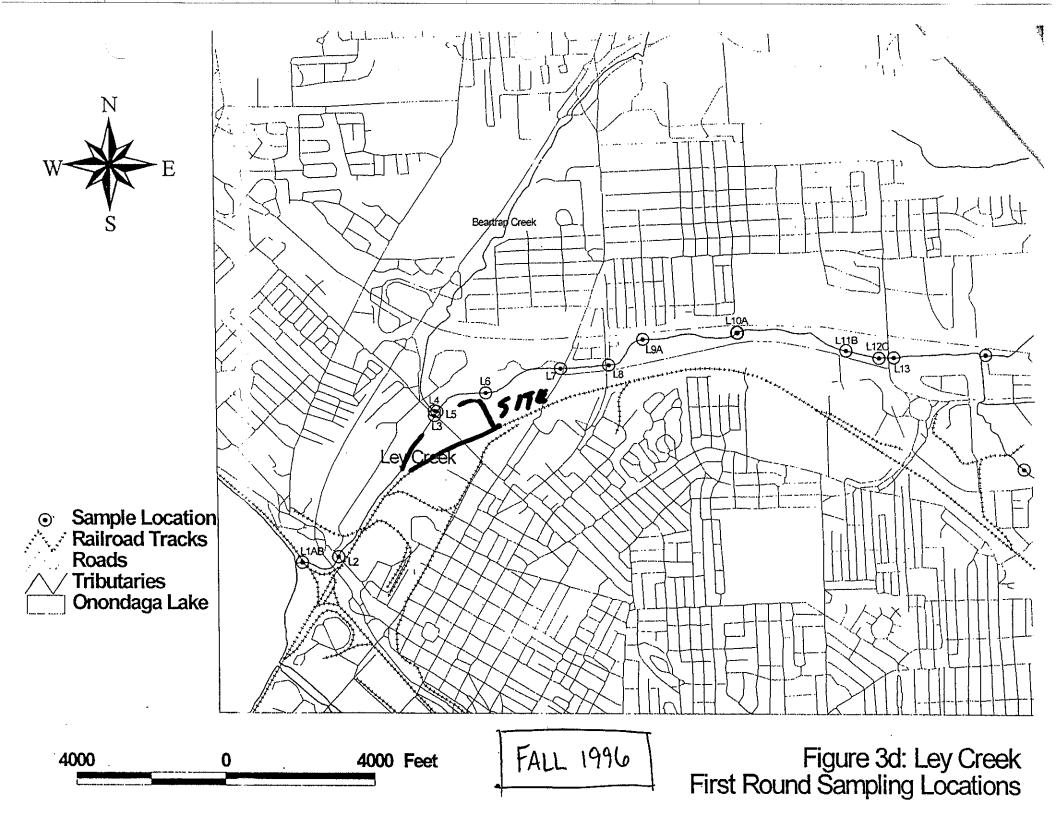
Location	Parameter	Résults	<b>を</b> Units
L108	Unknown	1500 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	1300 JN	ug/kg
L108	Unknown	950 JN	ug/kg
L108	Unknown	3000 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Unknown	100 JN	ug/kg
L108	Unknown	66 JN	ug/kg
L108	Unknown	970 JN	ug/kg
L108	Xylene (Total)	31 J	ug/kg
L109	Aroclor-1248	6700 D	ug/kg
L109	Aroclor-1260	230 PJ	ug/kg
L110	Aroclor-1248	360000 D	ug/kg
L110	Aroclor-1260	13000 D	ug/kg
L111	2-Butanone	760 J	ug/kg
L111	2-Methylnaphthalene	240 J	ug/kg
L111	4-Chloroaniline	280 J	ug/kg
L111	Acenaphthene	340 J	ug/kg
L111	Acenaphthylene	1600 J	ug/kg
L111	Acetone	870 JD	ug/kg
L111	Anthracene	1200 J	ug/kg
L111	Aroclor-1016	130000 JD	ug/kg
L111	Aroclor-1260	5400 JD	ug/kg
L111	Benzo(a)anthracene	4400 J	ug/kg
L111	Benzo(a)pyrene	5000 J	ug/kg
L111	Benzo(b)fluoranthene	13000 J	ug/kg
L111	Benzo(g,h,i)perylene	1800 J	ug/kg
L111	Bis(2-ethylhexyl)phthalate	4600 J	ug/kg
L111	Carbazole	440 J	ug/kg
L111	Carbon disulfide	16 J	ug/kg
L111	Chrysene	6400 J	ug/kg
L111	Fluoranthene	8400 J	ug/kg
_111	Indeno(1,2,3-cd)pyrene	2000 J	ug/kg
.111	Naphthalene	220 J	ug/kg
_111	Phenanthrene	2100 J	ug/kg
-111	Pyrene	9500 J	ug/kg
.111	Unknown	5200 JN	ug/kg
.111	Unknown	1700 JN	ug/kg
.111	Unknown	4400 JN	ug/kg
.111	Unknown	4500 JN	ug/kg
.111	Jnknown	5200 JN	ug/kg
.111	Jnknown	2400 JN	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

	Parameter	Results :	<b>Units</b>
L111	Unknown	3800 JN	ug/kg
L111	Unknown	2400 JN	ug/kg
L111	Unknown	580 JN	ug/kg
L111	Unknown	3100 JN	ug/kg
L111	Unknown .	3800 JN	ug/kg
L112	1,1-Dichloroethane	3 J	ug/kg
L112	1,2-Dichloroethene (Total)	8 J	ug/kg
L112	2-Butanone	24 J	ug/kg
L112	2-Methylnaphthalene	1100	ug/kg
L112	2-Methylphenol	91 J	ug/kg
L112	Acenaphthene	1400	ug/kg
L112	Acenaphthylene	600	ug/kg
L112	Acetone	61 J	ug/kg
L112	Anthracene	3100 J	ug/kg
L112	Aroclor-1016	140 PJ	ug/kg
L112	Aroclor-1254	1000 D	ug/kg
L112	Aroclor-1260	370 P	ug/kg
L112	Benzene	2 J	ug/kg
L112	Benzo(a)anthracene	5200 D	ug/kg
L112 E	Benzo(a)pyrene	3800 J	ug/kg
L112 E	Benzo(b)fluoranthene	5200 D	ug/kg
L112 E	Benzo(g,h,i)perylene	1400 J	ug/kg
L112 E	Benzo(k)fluoranthene	4300 D	ug/kg
L112 E	Bis(2-ethylhexyl)phthalate	3600 J	ug/kg
L112 C	Carbazole	1300 J	ug/kg
L112 C	Carbon disulfide	4 J	ug/kg
L112 C	Chrysene	5300 D	ug/kg
L112	Dibenzofuran	870	ug/kg
	thylbenzene	6 J	ug/kg
L112 F	luoranthene	10000 D	ug/kg
L112 F	luorene	1500	ug/kg
L112 . Ir	ndeno(1,2,3-cd)pyrene	1400 J	ug/kg
L112 N	laphthalene	1400	ug/kg
L112 P	henanthrene .	10000 JD	ug/kg
L112 P	yrene	9200 D	ug/kg
L112 To	oluene	21	ug/kg
L112 Ti	richloroethene	2 J	ug/kg
L112 U	nknown	840 JN	ug/kg
	nknown	990 JN	ug/kg
L112 Uı	nknown	98 JN	ug/kg
	nknown	150 JN	ug/kg
L112 Ur	nknown	170 JN	ug/kg

Table L-2A Lower Ley Creek Sediment & Soil Samples - Organic Compounds

Location	Parameter 2	Results 20世末学生	Üĥils
L112	Unknown	120 JN	ug/kg
L112	Unknown	730 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	980 JN	ug/kg
L112	Unknown	410 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112	Unknown	1200 JN	ug/kg
L112	Unknown	550 JN	ug/kg
L112	Unknown	540 JN	ug/kg
L112	Unknown	90 JN	ug/kg
L112	Unknown	170 JN	ug/k <b>g</b>
L112	Unknown	650 JN	ug/k <b>g</b>
L112	Unknown	140 JN	ug/k <b>g</b>
L112	Unknown	110 JN	ug/k <b>g</b>
L112	Unknown	210 JN	ug/kg
L112	Unknown	110 JN	ug/kg
L112	Unknown	1000 JN	ug/kg
L112 ·	Xylene (Total)	50	ug/kg



1242 -13 2910 1242 -13 - 1130 1254 -1)

Ley Creek - All Detections of PCBs

Locat	ion Posses		
L1A8	, grannetel	Results	
LIAB	Area	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Units
LIAB	Accion=(254)	60×	a was uglkg
L1AB	Aroclor-1260	260 360 JPN	ug/kg
13 × 12	Araclos 1016		\$ \$ CONTO
<u>L3</u>	Arecler-1242	76 PJ	ug/kg
■ L4会影響	Arectet-1242	3840(4)	Jug/Kd
<b>≫</b> [4	Aroclor-1242	38 JР	Ug/kg
	Arocior-1242	46/X/2004	La Worker
▶ <u>L4</u>	Arcolor-16-te	32.J	ug/kg
L5 ***	Aroclor-1260	<b>34.</b>	ug/kg
• L5	Arocloration 6	30 J	
L5 (8 8 8 8	Aroclor-1242	73:X	ug/kg
L5	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	4100 D	2 Volkos
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L6 12	Aroclor-1242	64°X	ug/kg
L6	Accord 254	6300 D	Ug/kg
.o 7 <i># ##2.0</i> 11	Aroclor-1260	2100,00	ug/kg
	Aroclor-101646	640	00/80
.7	Aroclor-1242	5810-X-3	ug/kg
7	(Arodote) NPA	36300 D	Ug/kg (Constitution)
7	Arcoin to a	JE0095	ug/kg
8 4 4 4 4	Aroclor-1016	1130 JD	THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH
8	Aroclor-1242	1730 JD	ug/kg
	Arodor (254)		ug/kg
3	Aroclor-1260	19 J	ug/kg
A	Arocior-1260	(00	C. M. F.
A	Aroclor-1016 Aroclor-1242	35 J	ug/kg
A Property	Ardclor-1242	50:X	(ug/kg
А	Aroclorate 2541	630	ug/kg
B HERRIN	Aroclor-1260	4700	U0/C0
}	Aroclor-1248	130	
Assessed	Arocior-1260	600	ug/kg
A	Aroclor-1248	140	ug/kg
8 9 10 10 10 10 10	Aroclor-1260	220	ug/kg
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	Aroclor-1242	46:X5555	ug/kg
3	Arodora 2549	720	ug/kg
	Aroclor-1260	5604	ug/kg
<b>大学</b> 素及	Aroclor 1016	280	TOUGO .
		A Tay as teleprone	ug/kg
	Aroclor-1242 Aroclor-1016	21 J	ug/kg
	Aroclor-1242	21 V	ug/kg
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कार है।	Aspelant social	7.1 20.2 20.2 20.2 20.2 20.2	ug/kg
当時有	Aroclor 1260	220	Üg/kg
		200	ug/kg
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